1982 EDITORIAL INDEX

Index to Volume 87, January - December 1982

Abbreviations used:

(DtW) Developments to Watch; (E) Editorial; (ES) Economic Scene; (Legal) Legal Scene; (Main) Maintenance; (News) Coal in the News; (OI) Operating Ideas (WS) Washington Scene

Accidents, see also Disasters, Safety
Abandoned mine shaft cap collapses, man
Pack to basics reduces assidents by 70%
Abandoned mine shaft cap collapses, man disappears (News)
Eastover Mining sludge dam collapses
Eastover Mining sludge dam collapses (News)Feb 37 One dead, 10 injured in West Virginia
One dead, 10 injured in West Virginia
(News)
Survivors awarded (News) Aug 35
Widow wins \$500,000 in produce liability
suit (Legal)May 152
Acid mine drainage
Research (News)
day": Fynancione: Mergere: Sales
P&M takes over Kemmerer mine (News) Jul 37
Slab Fork exchange (News)
Agreements, see Construction; Labor;
Agreements, see Construction; Labor; Machinery; Mines; Sales
Air pollution, see also Environment; Sui-
fur; Ventilation
Acid rain and jobs (News)Aug 35
Congress eager for Clean Air debate by Labor Day
(WS)Aug 9
Ely air quality studies under way (News) Aug 13
Ely air quality studies under way (News) Aug 13 EPA blames acid rain on Midwest pollution (News) Dec
Oh say can you see by the Clean Air
Oh, say can you see by the Clean Air rewrite? (WS)
Oregon ban (News) Mar 53
Southern Co. president criticizes acid rain
bill (News)
Sulfur-dioxide blamed in early deaths
(News) Sep 37
Tipple construction halted by city clean air rules (Legal)
rules (Legal)Apr 200
Alabama
Mining Alabama's coal successfully
Mining Alabama's coal successfully
Spiral bunker aids mine Mar 66
UMW local fined for illegal strike (Legal)Apr 204 Vacuum wins thin-seam coal Dec
Vacuum wins thin-seam coal Dec
Alaeka
Exports to Korea (News)Jun 56 Senator wants to give synfuel producers
Senator wants to give synfuel producers
break (WS)Aug 9 American Coal Foundation (ACF)
Kieks off \$1 million fund affort (Nove)
Kicks off \$1-million fund effort (News)
American Mining Congress (AMC)
Coal Convention Apr 95
Coal Convention
U.S. Appeals Court rejects AMC suit on
dust sample areas (News)Apr 29
Analysis, coal
Analysts question NCB mine costs Nov 52
Energy Department issues quarterly analysis of coal (News)Oct 37
sis of coal (News)Oct 37
Anthracite Homeowners scramble again to build up
supplies (News)Jan 37
For industry (News) Mar 57
Spain's anthracite (News)Jun 56
Atomic energy, see Nuclear power
Anthracite for industry (News) Mar 57
Big shovel order (News)Jul 53
Boiler sales (News) Sep 49
Clutha Development closes three coal
Australia Anthracite for industry (News)
(News) 1981 set record
Coal statistics report (News)
Coal to Janan (News)Jun 50
Coke mine shut (News)
Consol overseas (News)
Coal statistics report (News)

General Index
Exports allowed (News)Jan 47
Exports allowed (News) Jan 47 Exports drop (News) Sep 49 Exports rail down 2nd place Jun 78 Freight rates up (News) Feb 49 Israeli purchases (News) Apr 57 Japanese met coal buyers suspend talks with Australians (News) Mar 49 Larger role in European coal market predicted (News) Nov 27 Mines closed by strikes (News) Feb 41 Name change (News) Aug 39 New coal standard may lead to world coal standards (DIW) Jun 125
Exports nail down 2nd placeJun 78
Freight rates up (News) Feb 49
Israeli purchases (News)Apr 57
Japanese met coal buyers suspend talks
with Australians (News) Mar 49
Larger role in European coal market
Missa classed by strikes (News)
Name change (News)
New coal standard may lead to world coal
standards (DtW)Jun 125
standards (DtW). Jun 125 New mine opens (News) Jul 53 Newcastie expansion (News) Jan 47 Newcastie expansion (News) May 57 1981 coal exports climb despite labor problems (News) May 57 Ports squeezed (News) May 57 Ports squeezed (News) Feb 49 Project shelved (News) Nov 33 Cueensland port plan (News) Nov 33 Steam contracts (News) Oct 45 Sydney prices (News) Jun 56 Tankers (News) Jan 47 Top dollar deal (News) Jul 53 UN seminar (News) May 57 Victorian syncrude (News) Feb 49 Austria
Newcastle expansion (News)Jan 47
Newcastle quota (News)May 57
1981 coal exports climb despite labor
problems (News)Apr 45
Obstacles (News)May 57
Proint squeezed (News)
Outpendend nort plan (Nove)
Steam contracts (News)
Sydney prices (News) Jun 56
Tankers (News)
Top dollar deal (News) Jul 53
UN seminar (News)
Victorian syncrude (News) Feb 49
Austria
European venture (News)Jun 56
European venture (News)Jun 56 Automation, see Computerization appli-
cations
Awards
Beth-Elkhorn Corp.'s Mine No. 25 wins safety award (News)
Belgium
Brussels nilot (News) May 57
Brussels pilot (News)
Power plan (News)
Power plan (News)Aug 39 Belts, see Conveyors
Benefits, see also Retirement
Congress doubles black lung benefits
(News)Jan 39
(News)Jan 39 Medical benefit trust pays only when it has
Medical benefit trust pays only when it has royalties (Legal). Feb 160 Miners lose pension suit (Legal). Aug 85 No-fault compensation (News). Apr 52 Supreme Court decision limits UMW fund's collection power (News). Feb 39 Widow wins pension suit (Legal). Aug 85 Work in aggregate plant qualifies for pen-
Miners lose pension suit (Legal) Aug 85
No-fault compensation (News)Apr 52
Supreme Court decision limits UMW fund's
collection power (News) Feb 39
Work in aggregate plant qualifies for page
Work in aggregate plant qualifies for pen-
sion time (Legal)Oct 97 Bituminous, see Coal; Production sta-
tistics
Black lung disease, see also Health
Congress doubles benefits (News)Jan 39
Congress doubles benefits (News)
Blasting
Blast-casting pays off at Avery Nov 40
Bureau intensifies efforts to reduce blasting
effects (DtW)Jul 129
Casting overburden: explosive ideaJul 72
Equipment guide to better blastingJul 77
Nonelectric blasting solves noise problems
(OI) Feb 145
Nonelectric blasting solves noise problems (OI)
Bolting, see Roof support
Books
Jan 171; Feb 227; Mar 132; Jun 147
African venture (News) Sep 49 Shell, Botswana agree (News) Aug 39 Treasure (News) Apr 57
Shell, Botswana agree (News) Aug 39
Treasure (News)Apr 57
Brattice cloth, see Equipment Guide;
Brazil
Coal plan (News)
Met coal purchase (News)Sep 49

Bureau of Land Management (BLM)
Approves Utah coal tract lease (News) Mar 41
TSI pipeline wins approval from BLM
pproves Utah coal tract lease (News) Mar 41 TSI pipeline wins approval from BLM (News) Feb 41 Offers largest coal lease sale ever (WS) Apr 11
Offers largest coal lease sale ever (WS)Apr 11
roposes alternative to coal boom town
plan (News)
Solle two coal parcole in Litab (News)Apr 41
Solicits Rocky Butte bids again (News) Nov 27
Song arouses grouses (News) Sep 45
Vill try again to sell Rocky Butte coal tract
plan (News)
Bureau of Mines (BOM)
ntensifies efforts to reduce blasting effects
ests airstream belmet at longwall face
(News)
Cable, see Power supply
Canada
Bow Valley - foreign success story Aug 58
Delayed opening (News)Sep 49
Demethanization (News)Oct 45
oan to Indonesia (News) Mar 57
Cars. see also Equipment Guide: Haul-
Allnes examine extensible brattice
age ndustry warms to freeze controlSep 56
Chile
Coal deposit (News)Jan 47
China
Cool exports (News)Jun 55
nergy development (News) Mar 57
Hong Kong power (News)
sland Creek in China (News)May 57
New venture (News)Jul 53
Clean Air Act, see also Regulations
Budget report says Clean Air rules will
boost Midwestern coal (WS)
cione (MS)
Oh. say can you see by the Clean Air
rewrite? (WS) Mar 9
Rep. Luken (D-Ohio) pushes for amend-
ments (WS) Feb 9
Study says scrubbers key to Clean Air Act
compliance (News)
with Clean Air Act (WS)
Cleaning see Preparation
Closing of mines
Bethlehem Steel closes two mines (News) Dec
CF&L Steel Corp. met coal mine (News)Jan 45
Coal Barge wreck snarls Monongahela traf-
tic, shuts mines (News) Mar 17
Coloredo mino closes (News)
Canawha Coal Co mines to reopen
(News) Aug 35
Northern Coal halts output at strip mine in
Colorado (News) Sep 37
Peabody production resumes (News) Aug 35
Problem mine shut down (News)Apr 57
Weak market (News)Apr 52
west virginia mine closes (News) Aug 35
coking Lignite Production statistics
Australian project shelved (News) Nov 22
Australia's new coal standard may lead to
world coal standards (DtW)Jun 125
Brazilian coal plan (News) Nov 33
Budget report says Clean Air rules will
boost Midwestern coal (WS)Jun 11
Can benefit from drop in crude oil prices
Can benefit from drop in crude oil prices (ES)
Cars, see also Equipment Guide; Haulage age Andustry warms to freeze control

1982 EDITORIAL INDEX

Index to Volume 87, January - December 1982

Abbreviations used:

(DtW) Developments to Watch; (E) Editorial; (ES) Economic Scene; (Legal) Legal Scene; (Main) Maintenance; (News) Coal in the News; (OI) Operating Ideas (WS) Washington Scene

Accidents, see also Disasters, Safety
Abandoned mine shaft cap collapses, man
Pack to basics reduces assidents by 70%
Abandoned mine shaft cap collapses, man disappears (News)
Eastover Mining sludge dam collapses
Eastover Mining sludge dam collapses (News)Feb 37 One dead, 10 injured in West Virginia
One dead, 10 injured in West Virginia
(News)
Survivors awarded (News) Aug 35
Widow wins \$500,000 in produce liability
suit (Legal)May 152
Acid mine drainage
Research (News)
day": Fynancione: Mergere: Sales
P&M takes over Kemmerer mine (News) Jul 37
Slab Fork exchange (News)
Agreements, see Construction; Labor;
Agreements, see Construction; Labor; Machinery; Mines; Sales
Air pollution, see also Environment; Sui-
fur; Ventilation
Acid rain and jobs (News)Aug 35
Congress eager for Clean Air debate by Labor Day
(WS)Aug 9
Ely air quality studies under way (News) Aug 13
Ely air quality studies under way (News) Aug 13 EPA blames acid rain on Midwest pollution (News) Dec
Oh say can you see by the Clean Air
Oh, say can you see by the Clean Air rewrite? (WS)
Oregon ban (News) Mar 53
Southern Co. president criticizes acid rain
bill (News)
Sulfur-dioxide blamed in early deaths
(News) Sep 37
Tipple construction halted by city clean air rules (Legal)
rules (Legal)Apr 200
Alabama
Mining Alabama's coal successfully
Mining Alabama's coal successfully
Spiral bunker aids mine Mar 66
UMW local fined for illegal strike (Legal)Apr 204 Vacuum wins thin-seam coal Dec
Vacuum wins thin-seam coal Dec
Alaeka
Exports to Korea (News)Jun 56 Senator wants to give synfuel producers
Senator wants to give synfuel producers
break (WS)Aug 9 American Coal Foundation (ACF)
Kieks off \$1 million fund affort (Nove)
Kicks off \$1-million fund effort (News)
American Mining Congress (AMC)
Coal Convention Apr 95
Coal Convention
U.S. Appeals Court rejects AMC suit on
dust sample areas (News)Apr 29
Analysis, coal
Analysts question NCB mine costs Nov 52
Energy Department issues quarterly analysis of coal (News)Oct 37
sis of coal (News)Oct 37
Anthracite Homeowners scramble again to build up
supplies (News)Jan 37
For industry (News) Mar 57
Spain's anthracite (News)Jun 56
Atomic energy, see Nuclear power
Anthracite for industry (News) Mar 57
Big shovel order (News)Jul 53
Boiler sales (News) Sep 49
Clutha Development closes three coal
Australia Anthracite for industry (News)
(News) 1981 set record
Coal statistics report (News)
Coal to Janan (News)Jun 50
Coke mine shut (News)
Consol overseas (News)
Coal statistics report (News)

General Index
Exports allowed (News)Jan 47
Exports allowed (News) Jan 47 Exports drop (News) Sep 49 Exports rail down 2nd place Jun 78 Freight rates up (News) Feb 49 Israeli purchases (News) Apr 57 Japanese met coal buyers suspend talks with Australians (News) Mar 49 Larger role in European coal market predicted (News) Nov 27 Mines closed by strikes (News) Feb 41 Name change (News) Aug 39 New coal standard may lead to world coal standards (DIW) Jun 125
Exports nail down 2nd placeJun 78
Freight rates up (News) Feb 49
Israeli purchases (News)Apr 57
Japanese met coal buyers suspend talks
with Australians (News) Mar 49
Larger role in European coal market
Missa classed by strikes (News)
Name change (News)
New coal standard may lead to world coal
standards (DtW)Jun 125
standards (DtW). Jun 125 New mine opens (News) Jul 53 Newcastie expansion (News) Jan 47 Newcastie expansion (News) May 57 1981 coal exports climb despite labor problems (News) May 57 Ports squeezed (News) May 57 Ports squeezed (News) Feb 49 Project shelved (News) Nov 33 Cueensland port plan (News) Nov 33 Steam contracts (News) Oct 45 Sydney prices (News) Jun 56 Tankers (News) Jan 47 Top dollar deal (News) Jul 53 UN seminar (News) May 57 Victorian syncrude (News) Feb 49 Austria
Newcastle expansion (News)Jan 47
Newcastle quota (News)May 57
1981 coal exports climb despite labor
problems (News)Apr 45
Obstacles (News)May 57
Proint squeezed (News)
Outpendend nort plan (Nove)
Steam contracts (News)
Sydney prices (News) Jun 56
Tankers (News)
Top dollar deal (News) Jul 53
UN seminar (News)
Victorian syncrude (News) Feb 49
Austria
European venture (News)Jun 56
European venture (News)Jun 56 Automation, see Computerization appli-
cations
Awards
Beth-Elkhorn Corp.'s Mine No. 25 wins safety award (News)
Belgium
Brussels nilot (News) May 57
Brussels pilot (News)
Power plan (News)
Power plan (News)Aug 39 Belts, see Conveyors
Benefits, see also Retirement
Congress doubles black lung benefits
(News)Jan 39
(News)Jan 39 Medical benefit trust pays only when it has
Medical benefit trust pays only when it has royalties (Legal). Feb 160 Miners lose pension suit (Legal). Aug 85 No-fault compensation (News). Apr 52 Supreme Court decision limits UMW fund's collection power (News). Feb 39 Widow wins pension suit (Legal). Aug 85 Work in aggregate plant qualifies for pen-
Miners lose pension suit (Legal) Aug 85
No-fault compensation (News)Apr 52
Supreme Court decision limits UMW fund's
collection power (News) Feb 39
Work in aggregate plant qualifies for page
Work in aggregate plant qualifies for pen-
sion time (Legal)Oct 97 Bituminous, see Coal; Production sta-
tistics
Black lung disease, see also Health
Congress doubles benefits (News)Jan 39
Congress doubles benefits (News)
Blasting
Blast-casting pays off at Avery Nov 40
Bureau intensifies efforts to reduce blasting
effects (DtW)Jul 129
Casting overburden: explosive ideaJul 72
Equipment guide to better blastingJul 77
Nonelectric blasting solves noise problems
(OI)Feb 145
Nonelectric blasting solves noise problems (OI)
Bolting, see Roof support
Books
Jan 171; Feb 227; Mar 132; Jun 147
African venture (News) Sep 49 Shell, Botswana agree (News) Aug 39 Treasure (News) Apr 57
Shell, Botswana agree (News) Aug 39
Treasure (News)Apr 57
Brattice cloth, see Equipment Guide;
Brazil
Coal plan (News)
Met coal purchase (News)Sep 49

Bureau of Land Management (BLM)
Approves Utah coal tract lease (News) Mar 41
TSI pipeline wins approval from BLM
pproves Utah coal tract lease (News) Mar 41 TSI pipeline wins approval from BLM (News) Feb 41 Offers largest coal lease sale ever (WS) Apr 11
Offers largest coal lease sale ever (WS)Apr 11
roposes alternative to coal boom town
plan (News)
Solle two coal parcole in Litab (News)Apr 41
Solicits Rocky Butte bids again (News) Nov 27
Song arouses grouses (News) Sep 45
Vill try again to sell Rocky Butte coal tract
plan (News)
Bureau of Mines (BOM)
ntensifies efforts to reduce blasting effects
ests airstream belmet at longwall face
(News)
Cable, see Power supply
Canada
Bow Valley - foreign success story Aug 58
Delayed opening (News)Sep 49
Demethanization (News)Oct 45
oan to Indonesia (News) Mar 57
Cars. see also Equipment Guide: Haul-
Allnes examine extensible brattice
age ndustry warms to freeze controlSep 56
Chile
Coal deposit (News)Jan 47
China
Cool exports (News)Jun 55
nergy development (News) Mar 57
Hong Kong power (News)
sland Creek in China (News)May 57
New venture (News)Jul 53
Clean Air Act, see also Regulations
Budget report says Clean Air rules will
boost Midwestern coal (WS)
cione (MS)
Oh. say can you see by the Clean Air
rewrite? (WS) Mar 9
Rep. Luken (D-Ohio) pushes for amend-
ments (WS) Feb 9
Study says scrubbers key to Clean Air Act
compliance (News)
with Clean Air Act (WS)
Cleaning see Preparation
Closing of mines
Bethlehem Steel closes two mines (News) Dec
CF&L Steel Corp. met coal mine (News)Jan 45
Coal Barge wreck snarls Monongahela traf-
tic, shuts mines (News) Mar 17
Coloredo mine closes (News)
Canawha Coal Co mines to reopen
(News) Aug 35
Northern Coal halts output at strip mine in
Colorado (News) Sep 37
Peabody production resumes (News) Aug 35
Problem mine shut down (News)Apr 57
Weak market (News)Apr 52
west virginia mine closes (News) Aug 35
coking Lignite Production statistics
Australian project shelved (News) Nov 22
Australia's new coal standard may lead to
world coal standards (DtW)Jun 125
Brazilian coal plan (News) Nov 33
Budget report says Clean Air rules will
boost Midwestern coal (WS)Jun 11
Can benefit from drop in crude oil prices
Can benefit from drop in crude oil prices (ES)
Cars, see also Equipment Guide; Haulage age Andustry warms to freeze control

Congress and Administration owe coal more atten-
tion (E)
bespite recession and brutal winter, coal
thrives (ES)
improve (ES) Mar 60
(News)Oct 19
DOF issues quarterly analysis of coal
(News) Oct 37 DOE sees rosy future for coal, nuclear power (WS) Apr 9
DOE sees rosy future for coal, nuclear
through (ES)
Feels chill of recession (ES) Nov 36
places (News)
Foreign investors bank on U.S. coalJul 92
Future unsuitable (News) Mar 53
How to halt coal exports (E) May 264
Future unsuitable (News) Mar 53 GE recycles (News) Apr 52 How to halt coal exports (E) May 264 Industry seeks help in face of big budget
cuts (Wo)dall 9
At last, a louder voice for coal (E)Jul 228
At last, a louder voice for coal (E)
New BCR expands its R&D role Sep 68
Pittsburgh 8 coal has outstanding proper-
Protectionism could hurt U.S. coal over-
seas (ES) Oct 48
Reagan's coal budget: unkindest cut of all
Recession takes heavy toll on coal industry
(ES)Jul 56
(ES) Jul 56 Securing premium coal samples for R&D a
step closer (DtW)
Soviet gas line will not hurt coal sales
Soviet gas line will not hurt coal sales (News)
UN seminar (News)
U.S. coal doesn't always measure up Mar 82 Vacuum wins thin-seam coal Dec
West Virginia coal groups face state's image problem (News)
Western Coal Export Council formed
(News)
(News)
taking it on road (WS)
Coal conversion, see also Gasification.
coal; Liquefaction; Research; Synthetic
fuels from coal
fuels from coal
fuels from coal
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
fuels from coal Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)
Airco Energy drops out of Breckinridge H-coal project (News)

New Mexico lease sale (News)Jun 53
Nine governors in West criticize coal lease policy (News)
federal coal lease policies (WS)
San Juan Basin coal lacks data base (News)Jan 32 Utah lease auction draws one bidder
(News)Apr 25 West Appa Coal Co. secures lease (News)Oct 41
Coal-oil mix (COM)
Dutch mixture (News)
Prospects rise and fall in COM marketMay 65
Prospects rise and fall in COM marketMay 65 Coel usage, conversion to British act to stimulate conversions (News)
Coal to replace oil as main fuel for Florida
Despite oil glut, New England power will
Hong Kong power (News)
Israeli conversion (News)
Paper plant switch (News)
lem of fuel costs (News)Jun 37
TVA halts nuclear plans, orders look at
lem of fuel costs (News)
Liquid coal trickles into viewJun 88
Coke and coking Brazilian purchase (News) Sep 49
Description of the country of the co
Mexican coking coal imports decline in
steel slump (News)
(ES)May 60
El Cerreion mine soon will ship first coal
(News) Jun 48 Exports prediction (News) Mar 57
Intercor ships coal to Ireland (News)Jan 47
Orders expansion of its coal mining pro-
Pitch to Israel (News)
Railcars to Colombia (News) Nov 33 Spain signs for Colombian coal (News) Aug 31
(News)
Colorado BLM schedules lease sales (News) Apr 41 Change of face raises output Nov 46 Consol, Utah International win coal leases (News) May 32 Grace-Hanna bolsters lits top spot Jul 104 Jury rules Dutch Creek disaster an accident (News) Jun 40 Mine closes (News) Aug 35 New mine (News) Apr 52 Northern Coal halts output at strip mine (News) Sep 37 Rangely sets aside land for coalfield housing (News) May 37 Small operator outwits recession Dec Western mine output (News) Sep 45
Consol, Utah International win coal leases
Grace-Hanna bolsters its top spot Jul 104
(News)Jun 40
Mine closes (News)
Northern Coal halts output at strip mine
Rangely sets aside land for coalfield hous-
Small operator outwits recession Dec
Computerization applications Battery charger, regulated by microprocessor, boosts all cells equally (DtW)Feb 151 Boomsentry control aids dragline
Boomsentry control aids dragline
erize plants
Gamma radiation aided by microprocessor guides coal cutters (DtW)
Microprocessor controls HM circuitJan 58
Microprocessor controls HM circuit
line (DtW)
Consol construction (News)Jun 53
Consol mine construction job pits UMW against AFL-CIO (News)
Southwest investment (News) Nov 31
Continuous mining, see Deep mining Contracts, see Construction; Labor;
Machinery; Mines; Sales Conventional mining, see Deep mining
Conventions AMC Coal ConventionApr 95
Coal enters I as Vegas spotlight Sen 101
World's Fair (News)
Wait for better days (News)
Operators review haulage options Dec
Stageloaders, conveyor belting and takeups Dec

Western mine cuts need for trucks May 126
Western mine cuts need for trucks May 126 Court actions, see also Laws and legis-
lation; Regulations Coal lease adjustments are anniversary
events (Legal)May 153
Coal lease includes right to explore (Le-
Court advises jury trial in product liability
case (Legal)Jun 132 Court limits Interior's lease powers (News). Feb 39
Court limits Interior's lease powers (News). Feb 39 Court rules OSM is legal and operator owes
\$22,000 (Legal)Jul 145
\$22,000 (Legal)
commerce (Legal)
surface (Legal) Feb 166
Delay in start of mining does not cancel
lease (Legal)
Jurisdicitional case ruled subject to arbitra-
tion (Legal)
Jan 125; Feb 155; Mar 119; Apr 193; May 151; Jun 129; Jul 132; Aug 83; Sep 148; Oct 97; Nov 79;
129; Jul 132; Aug 83; Sep 148; Oct 97; Nov 79;
Dec Miner has no right to halt shift (Legal) Feb 155
damages (Legal)
tract suit (Legal)
Mining company netd liable for subsidence damages (Legal) Jan 128 Operator owes \$159,000 in breach of contract suit (Legal) Jul 138 OSM fine must be paid before it can be appealed (Legal) Jul 132 Permitting, bonding, serves as commencement work (Legal) Sep 161 Product liability suit filed 50 years
appealed (Legal)Jul 132
ment work (Legal)
too late (Legal)
collection power (News)Feb 39
Top court rules: mine it or lose it (Legal) Apr 193
Trial ordered to determine terms of coal sales contract (Legal)
U.S. held not responsible in blast that ruins
U.S. need not responsible in blast that turns quarry (Legal)
U.S. Steel not liable in law suit for
U.S. Supreme Court returns Crow Tribe
Crime Assets frozen (News) Nov 31
Assets frozen (News) Nov 31 Barringer gets three years in Carbon Fuel fraud case (News) Jan 32 Carbon Fuels Sales seeks payback
fraud case (News)Jan 32
(News)
Coal futures fraud (News)Jan 45 Crawfords sentenced for wildcatting
Crawfords sentenced for wildcatting
(News)
(News)Jan 32
(News)
coal illegally (News)
Five men convicted of coal fraud (News) Sep 37 Florida fraud (News)
Kentucky coalfield police force goes after wildcatters (News)Jul 21 Leviticus Project nets six in coal investment
Leviticus Project nets six in coal investment
scheme (News) Feb 29
Two arrested after 18-month Leviticus
Project investigation (News)
Wildcat mine raids (News) Sep 45 Cyclones, see Preparation
Deep mining, see also Machinery; Min- ing methods
BOM tests airstream helmet at longwall
BOM tests airstream helmet at longwall face (News)Apr 29
British mines monitor for face delays Feb 114
Caving shields win Slovenian ligniteJan 94
British try new way to find faults
Conventional mining success depends on coordination May 86
Cutting rock can aid coal output Aug 51
Gamma radiation aided by microprocessor
Conveniends output lasis in U.S. May 82 Cutting rock can aid coal output Aug 51 Gamma radiation aided by microprocessor guides coal cutters (DIW). Feb 151 Gob drained successfully during longwall mining (DIW). Aug 81 Longwall cuts dust build-up Jun 94 Longwall cuts dust build-up Jun 94
mining (DtW) Aug 81
tilation (DtW)Jan 120
tilation (DtW)
Mining Alabama's coal successfullyOct 74 Operators review haulage options
Operators review haulage options Dec Shock waves test integrity of resin-grouted
roof bolts (DtW)Apr 189
Stageloaders conveyor belting and
roof bolts (DtW) Apr 189 Spiral bunker aids Alabama mine Mar 66 Stageloaders, conveyor belting and takeups Dec
Three-seam mine to be West's largest Mar 88
Track is best over long haul Dec
Vacuum wins three-seam coal Dec
Vacuum wins three-seam coal Dec Western longwall aims for record Feb 106
Vacuum wins three-seam coal Dec

soviced (Neura) Con 41	Deltick exchaidles (News)	and dualities there existes (DMM)
revised (News)	British subsidies (News)	productive than original (DtW)Jan 120
slow coal (ES)Aug 42	prices (ES)Apr 60	New mine opposed (News)Sep 45 Polish technique accurately predicts coal-
Find market, then buy mineOct 70	Coal companies fear effects of safe harbor	field subsidence (DtW) Feb 151
NCA predicts growth in coal consumption	restrictions (News)Apr 17	Sierra Club loses bid to block Sunbelt
(News)Aug 25	Coal costs climbed in 1981 for Southern	surface mine (News) Sep 21
West Coast port projects exceed forecasts	Co. utilities (News)Jun 37	Watt's wilderness area proposal won't
for coal demand (News)Apr 41	Coal feels chill of recession (ES) Nov 36	affect coal production (WS)Apr 11
Department of Energy (DOE)	Coal industry seeks help in face of big	Environmental Protection Agency
Carbondale R&D Center may be taken	budget cuts (WS)	(EPA)
over by SIUC (DtW)	waters for bread (WS)Jun 9	Backed on mine wastes dumping (Legal) Aug 83 Has to pay court costs to suing environ-
(News)Feb 37	Declining demand for electricity and steel	mentalists (Legai)Aug 83
Edwards may quit before Reagan fires him	slow coal sales (ES) Aug 42	Puts coal wastewater rules in place (WS) Nov 9
(WS)May 11	Despite recession and brutal winter, coal	Study blames acid rain on Midwest
Finds coal, nuclear costs even (News)Oct 19	thrives (ES) Feb 52	pollution (News) Dec
Issues quarterly analysis of coal (News) Oct 37	Despite recession, coal prices should	While Congress lags, EPA forges ahead
Listing of foreign-controlled coal compa-	improve (ES) Mar 60	with Clean Air Act (WS) May 9
nies in U.SJul 98	DOE finds coal, nuclear costs even	Equipment Approvals
President Reagan finds it tough to pull plug	(News)Oct 19	Jan 210; Mar 139; Arp 226; May 175; Jun
on Energy Department (WS)	Economic picture darkens, but coal shines	144 Fault mant Suida
Reagan discovers DOE is difficult to elimi- nate (WS)Feb 9	through (ES)	Equipment Guide Blasting agents and accessoriesJul 77
Sees rosy future for coal, nuclear power	E.I. du Pont tells Consol to sell coal	Brattice cloth/tubing/metal stoppings Feb 133
(WS)Apr 9	(News)Jan 19	Conventional mining equipmentMay 82
Department of Interior (DOI)	Exports spark South African coal May 93	Exploration equipmentOct 82
Centralia mine fire jumps barrier (News) Nov 23	Far East coal loan (News)Nov 33	Motor gradersJan 100
Conservation groups attack Watt's plan for	Financing from bottom upOct 53	Off-highway tiresApr 138
lease rules (News)	Good tire care reduces repair costs	Personal equipmentJun 103
Court limits Interior's lease powers (News). Feb 39	(Maint)Apr 211	Personnel carriers Sep 83
Needs more time to plow new ground in	Great Plains project loan guaranteed	Plant dust control
field of OSM regs (WS)Jun 11	(News)	Plant metering instruments Mar 102
Proposals would slash coal lease legisla- tion (News) Feb 17	Guidelines for keeping engine efficiency	Stageloaders, conveyor belting and
Proposes another plan to fight Centralia	high (OI)	takeups Dec Weighing systems
coal fire (News) Mar 37	Infusion of money and management raise	Equipment News
Utah court upholds Bryce mine ban	production at first Getty mineApr 64	Jan 179; Feb 211; Mar 161; Apr 265; May 217; Jun
(News) Feb 15	Island Creek struggles to extinguish costly	167; Jul 191; Aug 109; Sep 241; Oct 147; Nov 111;
Watt's wilderness area proposal won't	mine fire (News) Feb 1	Dec
affect coal production (WS)Apr 11	It pays to weigh accurately Nov 66	European Economic Community (EEC)
Deposits, see Reserves	Job market outlook for M.E. graduates May 116	Coal output drops slightly (News)Apr 45
Diesels, see Power supply	Line your bucket, and pockets, too (OI)May 141	Loan to French company (News)Jun 56
Disabilities, see Accidents Disasters, see also Accidents,	Low-cost methane test developed (News)Apr 29	Excavators, see Hydraulics
Safety	Only minable coal is salable coalApr 74 Personnel carrier efficiency countsSep 83	Expansions, see also Acquisitions; Con-
Death in Pakistan (News)Oct 45	Producers fear ICC decisions will hike coal	struction; Mergers; Planning; Sales Coal companies fear effects of safe harbor
Eleven December disasters put 1981 coal	shipping costs (News)Feb 33	restrictions (News)Apr 17
mine death toll at 153 (News) Feb 19	The promises of pneumatic coal transpor-	Colombia orders expansion of its coal min-
Families of Grundy victims file suits	tation (E)Jun 198	ing program (News) Sep 37
(News) Aug 27	Protectionism could hurt U.S. coal over-	Newcastle expansion (News)Jan 47
Hokutan reopens (News) Mar 57	seas (ES)Oct 48	Robust mine growth forecasted Feb 82
Jury rules Dutch Creek disaster an accident	As recession bottoms out, place to look is	Rotterdam slows port development Aug 62
(News)Jun 40	up (ES)Jun 60	Sunbelt strives for diversification Aug 66
Mine autopsies (News)	Recession dilutes metallurgical coal market	Exploration for coal
Mine safety—in the eyes of the beholder? (E)Apr 314	(ES)	Better methods aid exploration of coal
MSHA cites coal operators after disaster	Recession keeps synfuel projects stuck in doldrums (WS)Oct 9	sitesOct 82 Export-Import Bank
investigation (News)Jun 17	As recession lingers, U.S. coal production	Colombian loan (News) Sep 49
Problem mine shut down (News)Apr 57	begins to slip (News) Sep 19	Exports
Raise call for MSHA action (News)Jan 11	Recession takes heavy toll on coal industry	Alaska to Korea (News)Jun 56
Renew debate on shooting from solidMay 86	(ES)Jul 56	Ashland exports (News)May 57
Scotia records ruled admissible (News) Feb 19	Reduced industrial activity softens steam	Aussie Exports nail down 2nd placeJun 78
Scottish fire (News)	coal market (ES) Sep 52	Australian contracts (News)Oct 45
Seven men killed in eastern Kentucky coal mine explosion (News) Feb 15	Report says economy, not Congress,	Australian exports allowed (News)Jan 47
Victim's widow sues Tennessee Consoli-	deranges haul rates (News)Apr 25	Chinese exports (News)Nov 33
dated Coal (News)Apr 15	Save costs in earthmoving (OI)Jun 119 Search for better blastingJul 60	Exports spark South African coalMay 93 Far East prospects (News)Oct 41
Westmoreland supervisors face suit	Ship fires spur new insurance Sep 76	How to halt coal exports (E)May 264
(News)Oct 37	Spanish investments (News) Mar 57	Industry fears cargo proposal will dampen
Yugoslav underground explosion leaves 39	Super dome stores coal inexpensively (OI)Mar 113	coal export sales (WS)Apr 11
miners dead (News)	Turning methane problems into natural gas	Italy buys Kentucky steam coal (News) May 49
Drilling, see also Deep mining; Equip-	profits (E) Mar 186	Larger Australian role in European
ment Guide; Machinery; Roof sup-	Wait for better days (News)Nov 31	coal market predicted (News)Nov 27
port; Surface mining	Western coal sales to Far East imperiled by	NCA: protect export coal from runaway rail
Better methods aid exploration of coal sitesOct 82	recession (News)Jun 19	rates (News)
Dual-shaped bit drills rock (OI)Oct 91	Education, see also Training Job market outlook for M.E. graduates May 116	Peabody leaves export arm (WS)Jan 9 Protectionism could hurt U.S. coal over-
Dryers, see Preparation	Joy Manufacturing correction (News)Jun 53	seas (ES)Oct 48
Dust	Mine school gifts (News)Jul 48	Railcars to Colombia (News)
Broadened air sampling rule upheld (Le-	Pitt solicits funds (News)	Railroad proposals threaten growth of coal
gai) Jul 132	Electricity, see Power supply	exports (E) Feb 258
Dry-fog spray controls fugitive dust (OI) Aug 78	Energy (all fuels), see also Utilities	Rotterdam slows port development Aug 62
Laying fugitive dust to rest Aug 72	Chinese energy (News) Mar 57	South Africa raises export prices (News) May 45
Longwall cuts dust build-upJun 94 Samplers pinpoint surface dustJun 70	Forecast (News)	South African steam coal exports move at
Tipple construction halted by city clean air	UN coal seminar (News)	record levels (News)
rules (Legal)Apr 200	Environment, see also Air pollution;	Spain, Ashland sign deal (News)Apr 45 Trading bill that would give antitrust
U.S. Appeals Court rejects AMC suit on	Drainage: Reclamation: Water pollu-	exemption near passage (WS)May 9
dust sample areas (News)Apr 29	tion	U.S. coal doesn't always measure up Mar 82
Wet suppression systems control dust at	Centralia mine fire jumps barrier (News) Nov 23	U.S. Trade Mission predicts firm deals
processing plantsOct 88 Ecology, see Air pollution; Drainage;	Conservation groups attack Watt's plan for	despite soft market for coal (WS)Jul 9
Ecology, see Air pollution; Drainage;	lease rules (News) Mar 41	Western Coal Export Council formed
Environment; Reclamation; Water	Environmental groups see abuse potential	(News) Dec
Pollution Economic Scene	in new coal lease policy (WS) Nov 9	Western coal sales to Far East imperiled by
Jan 48; Feb 52; Mar 60; Apr 60; May 60; Jun 60;	Environmentalist not guilty of libel (Legal) Jan 125	recession (News)Jun 19
Jul 56; Aug 42; Sep 52; Oct 48; Nov 36; Dec	Environmentalists fear OSM plans for national parks (WS)Oct 9	White House getting coal act together and taking it on road (WS)May 11
Economics, see also Taxes	EPA has to pay court costs to suing envi-	Fans, see Ventilation
For Alla-Ohio Valley Coals, it was boom	ronmentalists (Legal)Aug 83	Fatalities, see Accidents; Disasters
and then bust (News)Jan 19	Fungus speeds mine reclamation Sep 62	Federal government, see Government
Analysts question NCB mine costs Nov 52	Interior proposes another plan to fight Cen-	Finance, see Economics
Appalachia: waiting for better prices Feb 59	tralia fire (News)	Florida
Arches can ease roof-fall repairApr 118	Mixing subsoils during reclamation is more	Coal mining venture fraud (News)Jun 53
	g seems seeming recommended is more	The state of the s

128

Coal to replace oil as main fuel for utilities
(News)Jun 29 Joint venture (News)May 53
Power project stalled (News)
Fly-ash
Kermac system (News)Apr 52
Forecasts British coal consumption forecast will be revised (News)
revised (News)Sep 41
British study sees world coal demand
below 1980 forecast (News)
Energy (News) Feb 45
Energy (News). Feb 45 European coal imports will soar by end of century: DRI (News). Jul 41 NCA predicts growth in coal consumption (News). Aug 25
NCA predicts growth in coal consumption
(News)
1982: another year of increased sales Feb 56 Robust mine growth forecasted Feb 82
U.S.S.R. projection (News) Aug 39
France
To aid Indian coal development (News) Mar 41 ATIC and Israel (News) Feb 49
EEC loan (News)Jun 56 GAO, see General Accounting Office
GAO, see General Accounting Office
Gas, see Natural gas Gasification, coal, see also Coal conver-
Brussels pilot (News)
Great Plains project loan guaranteed
(News) Mar 45
Outlook good for Tenneco's Wibaux coal
Phillips gas plant (News)
Bion Brussels pilot (News) May 57 German plant (News) Feb 49 Great Plains project loan guaranteed (News) Mar 45 Outlook good for Tenneco's Wibaux coal gas project (News) May 32 Phillips gas plant (News) Jan 45 Pittsburgh 8 coal has outstanding proper- ties for gasification (DtW) Apr 189 South African cas from coal (News) Aug 39
ties for gasification (DtW)Apr 189 South African gas from coal (News)Aug 39
Texaco-Japanese deal (News) Sep 49
TVA gas plant (News)Aug 35
TVA restarts gasifier; other synfuels efforts proceed (News)Jun 33
Underground coal gasification passes test
(DTW)Aug 81
General Accounting Office (GAO) Study of MSHA inspections triggers over-
sight hearings (WS)Aug 9
sight hearings (WS)
Laws and legislation: Mine Safety and
Health Administration; Regulations names of
specific agencies
specific agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of high
specific agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of high
specific agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of high
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS)
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS)
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks (I MSHA can protect mines
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks (I MSHA can protect mines
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks (I MSHA can protect mines
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks (I MSHA can protect mines
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS) For coal ports, Congress is casting on waters for bread (WS) Un 9 Congress and Administration owe coal more attention (E) Nov 140 Congress asks if MSHA can protect (News) Apr 13 Congress doubles black lung benefits (News) Jan 39 Congress eager for Clean Air debate by Labor Day (WS) Aug 9 Congressional, UMW candidates key strat-
special agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Aug 9 Congress eager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Cet 9
specinc agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miner (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress eager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Cot 9 Congress and (IPC). Polore Bearan, fires
specinc agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miner (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress eager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Cot 9 Congress and (IPC). Polore Bearan, fires
specinc agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miner (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress eager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Cot 9 Congress and (IPC). Polore Bearan, fires
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress eager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strategy to unemployed miners (WS). Cot 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rulinos is limited
special agencies special cagencies special cagencies special cagencies sudget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Aug 9 Congress ager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strategy to unemployed miners (WS). Cot 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rulings is limited (Legal). Jan 125 Few coal projects remain as SFC pares
specinic agencies specinic agencies specinic agencies specinic agencies sudget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Aug 9 Congress ager for Clean Air debate by Labor Day (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rullings is limited (Legal). Jan 125 Few coal projects remain as SFC pares funds list (News). Feb 31 How to halt coal exports (E). May 264
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress asks if MSHA can protect miners (News). Jan 39 Congress doubles black lung benefits (News). Jan 39 Congress eager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strategly to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rulings is limited (Legal). Jan 125 Few coal projects remain as SFC pares funds sits (News). Feb 31 How to halt coal exports (E). May 264 Aut Libable for cusitive of inspections (Legan)
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress asks if MSHA can protect miners (News). Jan 39 Congress doubles black lung benefits (News). Jan 39 Congress eager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strategly to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rulings is limited (Legal). Jan 125 Few coal projects remain as SFC pares funds sits (News). Feb 31 How to halt coal exports (E). May 264 Aut Libable for cusitive of inspections (Legan)
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress asks if MSHA can protect miners (News). Jan 39 Congress doubles black lung benefits (News). Jan 39 Congress eager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strategly to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rulings is limited (Legal). Jan 125 Few coal projects remain as SFC pares funds sits (News). Feb 31 How to halt coal exports (E). May 264 Aut Libable for cusitive of inspections (Legan)
specinic agencies specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Apr 30 Congress doubles black lung benefits (News). Apr 30 Congress doubles black lung benefits (News). Apr 30 Congress doubles black lung benefits (News). May 11 Congress ager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strategy to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rulings is limited (Legal). Jan 125 Few coal projects remain as SFC pares tunds list (News). Feb 31 How to halt coal exports (E). May 264 Not liable for quality of inspections (Le- gal). Jul 39 Powder River sale raises questions about federal coal lease policies (WS). Jul 9 President Reagan finds it tough to puli plug
specinic agencies specinicas spec
specinic agencies specinical agencies agencies specinical agencies agencies specinical agencies agencies agencies agencies specinical agencies a
specinic agencies specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Jan 39 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Agr 13 Congress ager for Clean Air debate by Labor Day (WS) Congressional. UMW candidates Key strategy to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rulings is limited (Legal). Jul 25 Few coal projects remain as SFC pares funds list (News). Feb 31 How to halt coal exports (E). May 264 Not liable for quality of inspections (Legal) Jen 132 Powder River sale raises questions about lederal coal lease policies (WS). Jul 9 President Reagan finds it tough to puil plug on Energy Department (WS). Sep 11 Reagan discovers DOE is difficult to eliminate (WS). Feb 31 Reagan's coal hudget: unkindest cut of 81
specinic agencies specinicas spec
specinic agencies specinic agencies specinic agencies sudget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Apr 30 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). May 11 Fallout from Powder River sales lands in court (News). Feb 31 How to halt coal exports (E). May 264 Not liable for quality of inspections (Le- gal) Jan 132 Powder River sale raises questions about federal coal lease policies (WS). Jul 9 President Reagan finds it tough to puil plug on Energy Department (WS). Sep 11 Reagan discovers DOE is difficult to elimi- nate (WS). Feb 9 Reagan's coal budget: unkindest cut of all (News). Mar 11 Rep. Luken (D-Ohio) pushes for amend- ments to Clean Air Act (WS). Feb 9
specinic agencies specinicas s
specinic agencies specinicas s
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Aug 9 Congress ager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). May 11 Fallout from Powder River sales lands in court (News). Feb 31 How to halt coal exports (E). May 264 Not liable for quality of inspections (Le- gal). Jan 132 Powder River sale raises questions about federal coal lease policies (WS). Jul 9 President Reagan finds it tough to puil plug on Energy Department (WS). Sep 11 Reagan discovers DOE is difficult to elimi- nate (WS). Feb 9 Reagan's coal budget: unkindest cut of all (News). Mar 11 Rep. Luken (D-Ohio) pushes for amend- ments to Clean Air Act (WS). Feb 9 Report says economy, not Congress, deranges haul rales (News). Apr 25 Science Academy report urges greater
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Aug 9 Congress ager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). May 11 Fallout from Powder River sales lands in court (News). Feb 31 How to halt coal exports (E). May 264 Not liable for quality of inspections (Le- gal). Jan 132 Powder River sale raises questions about federal coal lease policies (WS). Jul 9 President Reagan finds it tough to puil plug on Energy Department (WS). Sep 11 Reagan discovers DOE is difficult to elimi- nate (WS). Feb 9 Reagan's coal budget: unkindest cut of all (News). Mar 11 Rep. Luken (D-Ohio) pushes for amend- ments to Clean Air Act (WS). Feb 9 Report says economy, not Congress, deranges haul rales (News). Apr 25 Science Academy report urges greater
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Aug 9 Congress ager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). May 11 Fallout from Powder River sales lands in court (News). Feb 31 How to halt coal exports (E). May 264 Not liable for quality of inspections (Le- gal). Jan 132 Powder River sale raises questions about federal coal lease policies (WS). Jul 9 President Reagan finds it tough to puil plug on Energy Department (WS). Sep 11 Reagan discovers DOE is difficult to elimi- nate (WS). Feb 9 Reagan's coal budget: unkindest cut of all (News). Mar 11 Rep. Luken (D-Ohio) pushes for amend- ments to Clean Air Act (WS). Feb 9 Report says economy, not Congress, deranges haul rales (News). Apr 25 Science Academy report urges greater
specinic agencies Budget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Aug 9 Congress ager for Clean Air debate by Labor Day (WS). Aug 9 Congressional, UMW candidates key strat- egy to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). May 11 Fallout from Powder River sales lands in court (News). Feb 31 How to halt coal exports (E). May 264 Not liable for quality of inspections (Le- gal). Jan 132 Powder River sale raises questions about federal coal lease policies (WS). Jul 9 President Reagan finds it tough to puil plug on Energy Department (WS). Sep 11 Reagan discovers DOE is difficult to elimi- nate (WS). Feb 9 Reagan's coal budget: unkindest cut of all (News). Mar 11 Rep. Luken (D-Ohio) pushes for amend- ments to Clean Air Act (WS). Feb 9 Report says economy, not Congress, deranges haul rales (News). Apr 25 Science Academy report urges greater
specinic agencies specinicas speci
specinic agencies specinicas speci
specinic agencies specinicas speci
specinic agencies specinic agencies specinic agencies sudget cuts will close safety office (News). Mar 45 Coal industry seeks help in face of big budget cuts (WS). Jan 9 For coal ports, Congress is casting on waters for bread (WS). Jun 9 Congress and Administration owe coal more attention (E). Nov 140 Congress asks if MSHA can protect miners (News). Apr 13 Congress doubles black lung benefits (News). Jan 39 Congress doubles black lung benefits (News). Apr 30 Congress ager for Clean Air debate by Labor Day (WS) Congressional, UMW candidates key strategy to unemployed miners (WS). Oct 9 Edwards may quit DOE before Reagan fires him (WS). May 11 Fallout from Powder River sales lands in court (News). Jul 25 Federal court role in OSM rulings is limited (Legal). Jul 25 Few coal projects remain as SFC pares funds list (News). Feb 31 How to halt coal exports (E). May 264 Not liable for quality of inspections (Legal) President Reagan finds it tough to puli plug on Energy Department (WS). Sep 11 Reagan discovers DOE is difficult to eliminate (WS). Feb 9 Reagan's coal budget: unkindest cut of all (News). May 11 Rep. Luken (D-Ohio) pushes for amendments to Clean Air Act (WS). Feb 9 Report says economy, not Congress, deranges haul rates (News). Apr 25 Science Academy report urges greater safety effort for coal miners (WS). Sep 9 Slurry plpeline eminent domain legislation resurrected in House (WS). Apr 9 Stem 7 Sep 10 Sep 10 Support in Congress grows for abolition of Synfuels Corporation (WS). Apr 9

JSGS plans to monitor coal royaltic	es l
(News)	39 1
While Congress lags, EPA forges ane	ad F
White House getting coal act together a	nd I
taking it on road (WS)	11 (
The year with Ronald Reagan (E)Jan 2	34
state	
Coal groups face state's ima	ge :
state Coal groups face state's ima problem (NEWS)	19
Kentucky drafts mine safety proposa	als I
(News)Apr	17
kentucky state agency attempts to tar	me I
Nine governors in West criticize coal les	29
policy (News)	32
Not liable for death of driver in pit drown	ina
(Legal)Jun 1	137
(Legal)	29
State allows damage suit (Legal)Nov	90
Surety company loses suit against state	on
forfeiting (Legal)Jun 1	137
Great Britain	
Acts to stimulate conversions (News)Apr	45
Analysts question NCB mine costs Nov	52
(Nous)	CB
Coal consumption forecast will be revise	ed .
(Nows) Sen	41
Great Britain Acts to stimulate conversions (News)	57
Container coal (News)	49
Miners follow Scargill leftward; fall str	ike
expected (News) Aug	27
Miners reject Scargill's lead, vote agai	nst
strike (News) Mar	49
Miners veto strike (News)	Dec
Mines monitor for face delays Feb	114
NCB continues to computerize plantsJan	54
NCB defeat (News)Jun	1 56
NCB denies parliamentary allegations	11
dumps coal (News)	45
North Cos and (News)	53
Pail etrikes cut coal delivery (News)	10
Pumore of mine closures fuel talks an	ain
of NI IM strike (News)	41
Scargill to head miners' union: strike v	ote
set (News)Jar	141
Scottish fire (News)	r 57
Study sees world coal demand below 1	980
forecast (News)Fet	41
Subsidies (News) Ma	r 57
Tries new way to find faultsJul	114
Tries new way to find faultsJul Two conveyor systems set for NCB mine	114 Dec
Tries new way to find faultsJul Two conveyor systems set for NCB mine Greenland	114 Dec
strike (News). Mar Miners veto strike (News). Mar Miners veto strike (News). Mar Miners veto strike (News). Mear Miners veto strike (News). Mear Mines monitor for face delays. Feb NCB continues to computerize plants. Jan NCB defeat (News). Jun NCB denies parliamentary allegations dumps coal (News). May Nigerian coal effort (News). Nov North Sea coal (News). May Rail strikes cut coal delivery (News). May Rail strikes cut coal delivery (News). May Rumors of mine closures fuel talks, ag of NUM strike (News). Jun Scargill to head miners' union; strike v set (News). Jar Scottish fire (News). May Study sees world coal demand below 1 forecast (News). Fet Subsidies (News). May Tries new way to find faults. Jul Two conveyor systems set for NCB mine Greenland Deposits (News). May May	114 Dec ar 57
Tries new way to find faults	114 Dec or 57
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Conveyor Pipelines; Port Watch; Railros	ors;
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railrou Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DW). Mar	ors; ade; ar 96 n 64 vy 31 Dec vy 66 for uy 37 Dec p 83 pro-
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railrou Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DW). Mar	ors; ade; ar 96 n 64 vy 31 Dec vy 66 for uy 37 Dec p 83 pro-
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railrou Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DW). Mar	ors; ade; ar 96 n 64 vy 31 Dec vy 66 for uy 37 Dec p 83 pro-
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railrou Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DW). Mar	ors; ade; ar 96 n 64 vy 31 Dec vy 66 for uy 37 Dec p 83 pro-
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Tires—they make the coal move 'round. App Tires—they make the coal move 'round. App Tires—they make the coal move 'round.	ore; ards; ar 96 n 64 n 64 n 66 for by 37 Dec by 66 for by 37 Dec by 83 pro- 117 spor- 198 by 31 r 130 r 138
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Tires—they make the coal move 'round. App Tires—they make the coal move 'round. App Tires—they make the coal move 'round.	ore; ards; ar 96 n 64 n 64 n 66 for by 37 Dec by 66 for by 37 Dec by 83 pro- 117 spor- 198 by 31 r 130 r 138
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal trans tation (E). No Simulated experience trains drivers. April Tires—they make the coal move 'round. Appi Track is best over long haul.	ors; ors; ors; or 96 or 64 ov 31 Dec ov 66 for or 983 pro- 117 or 198 ov 31 r 130 r 130 r 138 ov 130 or 138 ov 130 or 130
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations	ors; ors; ors; ors; or 96 or 64 vv 31 Dec vv 66 for vy 37 Dec p 83 pro- 117 spor- 198 ov 31 vv 130 r 130 r 138 Dec
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations	ors; ors; ors; ors; or 96 or 64 vv 31 Dec vv 66 for vy 37 Dec p 83 pro- 117 spor- 198 ov 31 vv 130 r 130 r 138 Dec
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal trans tation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Tires—they make the coal move "round. Apr Track is best over long haul. Two conveyor systems set for NCB mine	ors; ors; ors; ors; or 96 or 64 vv 31 Dec vv 66 for vy 37 Dec p 83 pro- 117 spor- 198 ov 31 vv 130 r 130 r 138 Dec
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railros Trucks and trucking; Water transport Better haul roads speed operations Ma Coal moves by air at Sunlight mine Ju Coal rate allowed (News) No Good bearings make good conveyors. It pays to weigh accurately No L&N makes \$25-million adjustment coal haul rates (News) Ma Operators review haulage options Se Presonnel carrier efficiency counts Se Presonnel carrier efficiency counts Se Prenumatic-capsule pipeline system posed to transport coal (DtW) Mar The promises of pneumatic coal trans tation (E) Jun Rail rate concerns (News) No Simulated experience trains drivers App Tires—they make the coal move 'round. Api Track is best over long haul. Two conveyor systems set for NCB mine WVU seeks information on aerial tram (DtW No. Health, see also Black lung dise	ors; ors; ors; ors; or 96 or 64 or 31 or 96 or 66 or or 97 or 100 or 100 or 117 or 130 or 130
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railros Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DW). Mar The promises of pneumatic coal trans tation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Tires—they make the coal move 'round. Apr Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Nees) Safety Broadened air sampling rule upheld Noise; Safety	ors; ors; ors; ors; ors; ors; ors; ors;
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railros Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DW). Mar The promises of pneumatic coal trans tation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Tires—they make the coal move 'round. Apr Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Nees) Safety Broadened air sampling rule upheld Noise; Safety	ors; ors; ors; ors; ors; ors; ors; ors;
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railros Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DW). Mar The promises of pneumatic coal trans tation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Tires—they make the coal move 'round. Apr Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Nees) Safety Broadened air sampling rule upheld Noise; Safety	ors; ors; ors; ors; ors; ors; ors; ors;
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal trans tation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Health, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). Ju Filter-beds absorb most of diesel en exhaust particulates (DtW). Jar	nore; ade; in 96 n 64 v 31 v 26 for y 37 Dec p 83 p 83 p 83 p 83 p 138 v 31 i 138 v 31 v 31 v 31 v 31 v 31 v 31 v 31 v 31
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal trans tation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Health, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). Ju Filter-beds absorb most of diesel en exhaust particulates (DtW). Jar	nore; ade; in 96 n 64 v 31 v 26 for y 37 Dec p 83 p 83 p 83 p 83 p 138 v 31 i 138 v 31 v 31 v 31 v 31 v 31 v 31 v 31 v 31
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. April Tries—they make the coal move 'round. Appi Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Health, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). Ju Filter-beds absorb most of diesel en exhaust particulates (DtW). Jar History of UMW medical care (News). Fe Sulfur-dioxide blamed in early de (News).	rors; ro
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railros Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Jul Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal trans tation (E). Jun Raii rate concerns (News). No Simulated experience trains drivers. Apr Tirack is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Noise; Safety Broadened air sampling rule upheld gal). Ju Filter-beds absorb most of diesel en exhaust particulates (DtW). Jar History of UMW medical care (News). FS Suffur-floxide blamed in early de (News).	rore; ro
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. Note that the coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). Note Simulated experience trains drivers. April Tries—they make the coal move 'round. Appi Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Note; Safety Broadened air sampling rule upheld gal). Jufilter-beds absorb most of diesel en exhaust particulates (DtW). Jar History of UMW medical care (News). Fe Suffur-dioxide blamed in early de (News).	rore; ro
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. Note that the coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). Note Simulated experience trains drivers. April Tries—they make the coal move 'round. Appi Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Note; Safety Broadened air sampling rule upheld gal). Jufilter-beds absorb most of diesel en exhaust particulates (DtW). Jar History of UMW medical care (News). Fe Suffur-dioxide blamed in early de (News).	rore; ro
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railros Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Jul Coal rate allowed (News). No Good bearings make good conveyors. No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Tires—they make the coal move 'round. Apr Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. No Health, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). Ju Filter-beds absorb most of diesel en exhaust particulates (DtW). Jar History of UMW medical care (News). Fe Sulfur-dioxide blamed in early de (News). Schydraulics At last . modernization of rough-te crane (DtW). Mat Hose couplings have important	rose;
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No Lan makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. April Tries—they make the coal move 'round. Appi Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. Noise; Safety Broadened air sampling rule upheld gal). Jun Hailth, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). Jun History of UMW medical care (News). Fe Sulfur-dioxide blamed in early de (News). St. Hydraulics At last. modernization of rough-te crane (DtW). Mat Hose couplings have important (Maint). Fell	rose;
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railros Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Jul Coal rate allowed (News). No Good bearings make good conveyors. No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Raii rate concerns (News). No Simulated experience trains drivers. Aprilires—they make the coal move 'round. Aprilires—they seeks information on aerial trams (DtW). Seeks information on aerial trams (DtW). No Heelth, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). Hesith, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). Sulfur-dloxide blamed in early de (News). Festivational services and the secouplings have important (Maint). Hellinois	rofe;
Haulage, see also Cars; Convey; Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. Notes and truck the coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). Notes and the coal move from the coal mo	in 198 in
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No Good bearings make good conveyors. No Late Makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. See Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal trans tation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Tires—they make the coal move 'round. Apr Track is best over long haul. Two conveyor systems set for NCB mine. WVU seeks information on aerial tram (DtW. No. 1981). Whistory of UMW medical care (News). Jun History of UMW medical care (News). Filter-beds absorb most of diesel en exhaust particulates (DtW). Jar History of UMW medical care (News). St Hydraulics At last modernization of rough-te crane (DtW). Mar Mose couplings have important (Maint). Fel Illinois Commonwealth Edison settles with suppliers (News).	rofe; ro
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railros Trucks and trucking; Water transport Better haul roads speed operations. Ma Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). Mo Good bearings make good conveyors. It pays to weigh accurately. No La N makes \$25-million adjustment coal haul rates (News). Ma Goperators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Aprilies—they make the coal move 'round. Aprilies—they move the the move the transport to the move the transport to the move the transpo	in roise; in roise in
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mat The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Track is best over long haul. The promises of pneumatic coal transtation (E). WUU seeks information on aerial tram (DtW. No Health, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). Ju Filter-beds absorb most of diesel en exhaust particulates (DtW). Jar History of UMW medical care (News). St Hydraulics At last . modernization of rough-te crans (DtW). Mat Hose couplings have important (Maint). Fel Illinois Commonwealth Edison settles with suppliers (News). Only minable coal is salable coal. A Permit denial reversed (Legal). Ju	rofe; ro
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mat The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Track is best over long haul. The promises of pneumatic coal transtation (E). WUV seeks information on aerial trams (DtW. No Health, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). History of UMW medical care (News). Fe Sulfur-foloxide biamed in early de (News). Schydraulics At last . modernization of rough-te crane (DtW). Mat Hose couplings have important (Maint). History of UMW medical care (News). Schydraulics At last . modernization of rough-te crane (DtW). Mat Hose couplings have important (Maint). Fel Illinois Commonwealth Edison settles with suppliers (News). Only minable coal is salable coal. A Permit denial reversed (Legal). Ju Reedgrass greens slurry ponds.	rofe; ro
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. It pays to weigh accurately. No L&N makes \$25-million adjustment coal haul rates (News). Ma Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mar The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Track is best over long haul. The promises of the coal move 'round. Apr Track is best over long haul. The coal move of the coal move round. Provided in the coal move round round. Provided in the coal mov	in of a serial manual m
Haulage, see also Cars; Convey, Pipelines; Port Watch; Railroa Trucks and trucking; Water transport Better haul roads speed operations. Mat Coal moves by air at Sunlight mine. Ju Coal rate allowed (News). No Good bearings make good conveyors. No Good bearings make good conveyors. No L&N makes \$25-million adjustment coal haul rates (News). Mat Operators review haulage options. Personnel carrier efficiency counts. Se Pneumatic-capsule pipeline system posed to transport coal (DtW). Mat The promises of pneumatic coal transtation (E). Jun Rail rate concerns (News). No Simulated experience trains drivers. Apr Track is best over long haul. The promises of pneumatic coal transtation (E). WUV seeks information on aerial trams (DtW. No Health, see also Black lung dise Noise; Safety Broadened air sampling rule upheld gal). History of UMW medical care (News). Fe Sulfur-foloxide biamed in early de (News). Schydraulics At last . modernization of rough-te crane (DtW). Mat Hose couplings have important (Maint). History of UMW medical care (News). Schydraulics At last . modernization of rough-te crane (DtW). Mat Hose couplings have important (Maint). Fel Illinois Commonwealth Edison settles with suppliers (News). Only minable coal is salable coal. A Permit denial reversed (Legal). Ju Reedgrass greens slurry ponds.	in reference in the control of the c

Indo-Soviet effort (News)
Innovations (News)
Polish technology (Nowe)
Shins Janan (News)
Indiana
Court says pay fine, plead later (Legal)Jun 129 Power plant in Indiana coal fields will import its coal (News)
Power plant in Indiana coal fields will
import its cool (Nown)
State not liable for death of driver is not
drowning (Legal)
Indiana/American
Indians (American) Arizona coal reserves (News)
Court uphalds mining (news)
Mousic lands (Legal)
Crow Tribe appoints 7 man heard to aid
Crow Tribe appoints /-man board to aid
Crow Tribe conserved and fined course plant
Crow Tribe approves coal-fired power plant
Craw Triba will asserted a surface and
Crow Tribe will consider surface mine
(News)Aug 15
May levy mineral tax (Legal)Apr 207
Navajo indians protest Sunbeit surface
Neurolasi land (News)
Navajos lano (News) Mar 53
Navajos rejected (News)
(News)
Tribe seeks federal coal-rich lands (News)Jun 29
U.S. Supreme Court returns Crow Tribe
Coal suit (News) Nov 13
U.S. Supreme Court returns Crow Tribe coal suit (News)
Crow tribe (News) Sep 32
Indonesia
Coal mining program (News)Jul 53
Coal mining projects (News)Apr 57
Consol's venture (News) Feb 49
Consol's venture (News) Feb 49 New port (News) Aug 39 Open door (News) Jan 47 Receives loan from Canada (News) Mar 57
Open door (News)Jan 47
Receives loan from Canada (News) Mar 57
Small port plans (News)
industry Eventsall 5
Injuries, see Accidents
Inspection, see Mine inspection
Interior Department, see Department
of Interior
Interstate Commerce Commission (ICC) Navajos rejected (News)
Mayolog rejected (Mayor)
Producers foor ICC decisions will hike and
chinging costs (Nous)
snipping costs (News) Feb 33
lows Public Consider hit on prices for sen
the Member and Mount
lowa Public Service hit on prices for cap- tive Wyoming coal (News)
Iran
Production (News) Feb 49
Production (News) Feb 49
Production (News) Feb 49
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47
Iran Feb 49 Production (News) Feb 49 Ireland May 57 Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Nov 33
Iran Feb 49 Production (News) Feb 49 Ireland May 57 Coal-fired plant (News) Jan 47 Lignite sale (News) Nov 33 Israel Israel
Iran Feb 49 Production (News) Feb 49 Ireland May 57 Coal-fired plant (News) Jan 47 Lignite sale (News) Nov 33 Israel Israel
Iran
Iran Production (News) Feb 49 Iraland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Nov 33 Iranel ATIC (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Nov 33 Aladera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Apr 57 Apr 5
Iran Production (News) Feb 49 Iraland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Nov 33 Israel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Nov 33 Hadera completion (News) Nov 33 Hadera completion (News) Nov 34 Hadera plant (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Apr 39 Second thoughts (News) Aug 39 Second thoughts (News) Jan 47 Italy Lays
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Nov 33 Iransi ATIC (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Nov 33 Aladera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Apr 57 Pothic sale (News) Apr 57
Iran Production (News) Feb 49 Iraland Feb 49 Feb 4
Iran
Iran Production (News) Feb 49 Iraland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite saile (News) Nov 33 Irane ATIC (News) Apr 57 Conversion (News) Nov 33 Hadera completion (News) Nov 33 Hadera plant (News) Nov 34 Hadera plant (News) Nov 37 Conversion (News) Nov 38 Nov 39
Iran Production (News) Feb 49 Iraland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite saile (News) Nov 33 Irane ATIC (News) Apr 57 Conversion (News) Nov 33 Hadera completion (News) Nov 33 Hadera plant (News) Nov 34 Hadera plant (News) Nov 37 Conversion (News) Nov 38 Nov 39
Iran
Iran
Iran
Iran
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Nov 33 Iranal ATIC (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Nov 33 Aladera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Aug 39 Second thoughts (News) Aug 39 Second thoughts (News) May 49 Japan Coal from Australia (News) May 49 Japan Coal from Australia (News) Jul 53 Hokutan reopens (News) Mar 57 Indonesian prc;ects (News) Mar 57 Indonesian prc;ects (News) Mar 57 Indonesian prc;ects (News) Mar 57 Met coal buyers suspend talks with Australians (News) Mar 49 Poland and Tokyo (News) Mar 57 Shunned by India (News) Mar 57 Shunned by India (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Pexaco-Japanese deal (News) Sep 49 Peraco-Japanese deal (News) Sep 49 Peraco-
Iran Production (News) Feb 49 Iraland Coal-fired plant (News) May 57 Coal to Ireland (News) Nov 33 Iranel ATIC (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Nov 33 Haddera completion (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Apr 57 Apr 5
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Peb 49 ATIC (News) Feb 49 AUstralian coal purchases (News) Apr 57 Conversion (News) Nov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) May 49 Hadera plant (News) Apr 57 Port dispute (News) May 49 Hadera plant (News) Apr 57 Port dispute (News) May 49 Hadera plant (News) May 57 Met coal buyers suspend talks with Australians (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Kentucky Army Corps will help file conversion study
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Peb 49 ATIC (News) Feb 49 AUstralian coal purchases (News) Apr 57 Conversion (News) Nov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) May 49 Hadera plant (News) Apr 57 Port dispute (News) May 49 Hadera plant (News) Apr 57 Port dispute (News) May 49 Hadera plant (News) May 57 Met coal buyers suspend talks with Australians (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Kentucky Army Corps will help file conversion study
Iran Production (News) Feb 49 Iraland Coal-fired plant (News) May 57 Coal to Ireland (News) Nov 33 Iranel ATIC (News) Apr 57 Conversion (News) Nov 33 Hadera completion (News) Apr 57 Conversion (News) Nov 33 Hadera plant (News) Apr 57 Port dispute (News) Apr 57 News 19 News 1
Iran Production (News) Feb 49 Iraland Coal-fired plant (News) May 57 Coal to Ireland (News) Nov 33 Iranel ATIC (News) Apr 57 Conversion (News) Nov 33 Hadera completion (News) Apr 57 Conversion (News) Nov 33 Hadera plant (News) Apr 57 Port dispute (News) Apr 57 News 19 News 1
Iran Production (News)
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Nov 33 Iranel ATIC (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Apr
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Nov 33 Iranel ATIC (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Apr
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Nov 33 Iranel ATIC (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Apr
Iran Production (News)
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Jan 47 Lignite sale (News) Mov 33 Iranel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Mov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Oct 45 Public sale (News) May 39 Second thoughts (News) May 49 Japan Coal from Australia (News) May 57 Indonesian prc;ects (News) Mar 57 Indonesian prc;ects (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfluels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coalfield police force goes after wildcatter (News) Jul 21 Drafts mine safety proposals (News) Ap 17 Dutch in Kentucky (News) Aug 39 Estatows Missing studies dean Colleges
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Jan 47 Lignite sale (News) Mov 33 Iranel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Mov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Oct 45 Public sale (News) May 39 Second thoughts (News) May 49 Japan Coal from Australia (News) May 57 Indonesian prc;ects (News) Mar 57 Indonesian prc;ects (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfluels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coalfield police force goes after wildcatter (News) Jul 21 Drafts mine safety proposals (News) Ap 17 Dutch in Kentucky (News) Aug 39 Estatows Missing studies dean Colleges
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Jan 47 Lignite sale (News) Mov 33 Iranel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Mov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Oct 45 Public sale (News) May 39 Second thoughts (News) May 49 Japan Coal from Australia (News) May 57 Indonesian prc;ects (News) Mar 57 Indonesian prc;ects (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfluels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coalfield police force goes after wildcatter (News) Jul 21 Drafts mine safety proposals (News) Ap 17 Dutch in Kentucky (News) Aug 39 Estatows Missing studies dean Colleges
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Jan 47 Lignite sale (News) Mov 33 Iranel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Mov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Oct 45 Public sale (News) May 39 Second thoughts (News) May 49 Japan Coal from Australia (News) May 57 Indonesian prc;ects (News) Mar 57 Indonesian prc;ects (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfluels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coalfield police force goes after wildcatter (News) Jul 21 Drafts mine safety proposals (News) Ap 17 Dutch in Kentucky (News) Aug 39 Estatows Missing studies dean Colleges
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Jan 47 Lignite sale (News) Mov 33 Iranel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Mov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Oct 45 Public sale (News) May 39 Second thoughts (News) May 49 Japan Coal from Australia (News) May 57 Indonesian prc;ects (News) Mar 57 Indonesian prc;ects (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfluels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coalfield police force goes after wildcatter (News) Jul 21 Drafts mine safety proposals (News) Ap 17 Dutch in Kentucky (News) Aug 39 Estatows Missing studies dean Colleges
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Jan 47 Lignite sale (News) Mov 33 Iranel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Mov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Oct 45 Public sale (News) May 39 Second thoughts (News) May 49 Japan Coal from Australia (News) May 57 Indonesian prc;ects (News) Mar 57 Indonesian prc;ects (News) May 57 Shunned by India (News) May 57 Shunned by India (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfluels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coalfield police force goes after wildcatter (News) Jul 21 Drafts mine safety proposals (News) Ap 17 Dutch in Kentucky (News) Aug 39 Estatows Missing studies dean Colleges
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Mov 33 Israel ATIC (News) Feb 49 AUstralian coal purchases (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Port dispute (News) Apr 57 Indonesian projects (News) Apr 57 Met coal buyers suspend talks with Australians (News) Apr 57 Indonesian projects (News) Mar 49 Poland and Tokyo (News) Mar 57 Shunned by india (News) Feb 49 Texaco-Japanese deal (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coaffield police force goes after wildcatters (News) Jul 21 Drafts mine safety proposals (News) Apr 17 Dutch in Kentucky (News) Aug 38 Eastover Mining sludge dam collapses (News) May 17 To get OSM grant to fight wildcat coal mining (News) May 31 Hart times (News) May 31 Hart times (News) Mov 31
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Mov 33 Israel ATIC (News) Feb 49 AUstralian coal purchases (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Port dispute (News) Apr 57 Indonesian projects (News) Apr 57 Met coal buyers suspend talks with Australians (News) Apr 57 Indonesian projects (News) Mar 49 Poland and Tokyo (News) Mar 57 Shunned by india (News) Feb 49 Texaco-Japanese deal (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coaffield police force goes after wildcatters (News) Jul 21 Drafts mine safety proposals (News) Apr 17 Dutch in Kentucky (News) Aug 38 Eastover Mining sludge dam collapses (News) May 17 To get OSM grant to fight wildcat coal mining (News) May 31 Hart times (News) May 31 Hart times (News) Mov 31
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Mov 33 Israel ATIC (News) Feb 49 AUstralian coal purchases (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Port dispute (News) Apr 57 Indonesian projects (News) Apr 57 Met coal buyers suspend talks with Australians (News) Apr 57 Indonesian projects (News) Mar 49 Poland and Tokyo (News) Mar 57 Shunned by india (News) Feb 49 Texaco-Japanese deal (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coaffield police force goes after wildcatters (News) Jul 21 Drafts mine safety proposals (News) Apr 17 Dutch in Kentucky (News) Aug 38 Eastover Mining sludge dam collapses (News) May 17 To get OSM grant to fight wildcat coal mining (News) May 31 Hart times (News) May 31 Hart times (News) Mov 31
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Mov 33 Israel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Mov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) May 49 Hadera plant (News) May 57 Hadera plant (News) May 57 Hadera plant (News) May 57 Hadera plant (News) May 59 Hadera plant (N
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Mov 33 Israel ATIC (News) Feb 49 Australian coal purchases (News) Apr 57 Conversion (News) Mov 33 Hadera completion (News) Sep 49 Hadera plant (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) Apr 57 Port dispute (News) May 49 Hadera plant (News) May 57 Hadera plant (News) May 57 Hadera plant (News) May 57 Hadera plant (News) May 59 Hadera plant (N
Iran Production (News) Feb 49 Ireland Coal-fired plant (News) May 57 Coal to Ireland (News) Jan 47 Lignite sale (News) Mov 33 Israel ATIC (News) Feb 49 AUstralian coal purchases (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Conversion (News) Apr 57 Port dispute (News) Apr 57 Indonesian projects (News) Apr 57 Met coal buyers suspend talks with Australians (News) Apr 57 Indonesian projects (News) Mar 49 Poland and Tokyo (News) Mar 57 Shunned by india (News) Feb 49 Texaco-Japanese deal (News) Sep 49 Kentucky Army Corps will help file conversion study (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 29 Backers want to scale down Henderson synfuels plant (News) Jan 39 Bow Valley—foreign success story Aug 58 Coaffield police force goes after wildcatters (News) Jul 21 Drafts mine safety proposals (News) Apr 17 Dutch in Kentucky (News) Aug 38 Eastover Mining sludge dam collapses (News) May 17 To get OSM grant to fight wildcat coal mining (News) May 31 Hart times (News) May 31 Hart times (News) Mov 31

State ag	gency a	attempt	s to	tame	wildcat
State ag miners (Wildcat m	ine raids	(News).			Jan 29 Sep 45
Korea, se Labor, Mine W	e South see al	so Ma	nage	ment;	United
Acid rain	and jobs	(News).			Aug 35
Acid rain a Back to w British m	ork (New	/S)	Caralli	lefter	Oct 41
strike ex	pected	(News)	cargill	ieitw	Aug 27
strike ex British n	niners i	eject S	Scargi	l's lea	d, vote
against British min Canadian Cannelton Chessie sh Coal shutd	strike (N	ews)	lowel		Mar 49
Canadian	layoffs (f	Vews)	-cws)		Jul 53
Cannelton	layoffs (News)			Oct 41
Chessie sh	lown (N	(News)	***********		Jul 48
Coalition	1011	neu	WILLI	111121110	gement
(News).					Jan 45
(News).	ional, I	JMW C	andida	ites ke	Oct 0
Consol	mine c	onstruc	tion i	ob pi	s UMW
against	AFL-CIO	(News).			Aug 15
against Consol t	old to	let min	ers at	tend g	rievance
Court rej	ects or	der to	rehire	school	bomber
(Legal).	**********				Sep 153
Delayed o	pening (News)			Sep 49
Eastern la Employme	ent up (N	lews)			May 53
Exports d	op (New	/s)			Sep 49
Exports di Fired Kerr	-McGee	miners fi	le suit	(News).	Jul 25
High uper	npiovme	nt (News	1		Oct 41
If the shoot Indians se Jobs in W	ize hosta	ages, cite	mines	(News	Jun 48
Jobs in W	est Virgin	nia (New	s)		Sep 45
Jurisdiction (Le	onal ca	se rule	d sub	ect to	arbitra-
Kentucky	hard tim	es (New	s)		Nov 31
M	d-Contin	ent coal	miners	reject	UMW rep-
resenta	tion (Nev	ws)	**********		Jan 39 Apr 52
Mine layo	n (News)	to helt	shift ()	egal)	Apr 52 Feb 155
Miners los	se pensio	on suit (I	egal)	-yaı)	Aug 85
gal)					Sep 148
1981 At	roblems	(News)	exports	climb	Apr 45
Operato	r decla	ared gu	uilty o	of unfa	air labor
practic	es (Lega	l)			Sep 148 o despiteApr 45 air laborSep 153
Physicis	offers	safety	direc	tors n	Oct 41 ew mea- Aug 47
sure of	risk (Ne	ws)			Aug 47
Polish tro	ubles rei	main (Ne	ws)	in M	Jul 53
ley Car	np case	(Legal)	mony	111 14	Mar 119
Rumors	of min	e closu	res fu	el talk	s, again,
Scarcill	to hear	News)	mino	rs' uni	Aug 4/ Jul 53 LRB Val- Mar 119 s, again, Jul 41 on; strike
vote se	t (News))		.o urii	Jan 41
Science	Acad	emy re	troog	urges	greater
Short lev	off (New	coal mi	ners (W	/5)	Oct 41
Solidarity	sentenc	e (News)		Sep 9 Oct 41 Mar 57
Steel der	nand do	wn (New	s)		Apr 52
Teamst	ers' mi	ne bid	rebu	iffed l	Apr 52 by NLRB Sep 37
Teamst	ers wir	cont	rol of	Deck	Sep 37 cer mine Jul 37 miners a
(News					Jul 37
After 1	3 yea	rs, MS	HA g	ives i	miners a
UMW	battle	hot	in f	inal	Sep 13 days of
Dresid	ennai ele	CUDE UN	9WS1		NOV 15
UMW de	leat (Nev	NS)	ninet	rivel .	Jun 53 nion after
election	n defeat	(News)	ainst	rival u	Apr 41
UMW qu	ilty in pic	keting (I	egal).		May 156
UMW pre	sidentia	election	(News	3)	at 20%
(Nawe	unempl	oyment	rate	set	at 20%
U.S. St	eel coa	arm 1	furloug	hs 1,5	Jul 11 00 Appa-
lachia	miners	(News).			May 19 Sep 45 push for
Women	coal	miners'	grou	n to	nush for
Women	miner	rs win	pee	ping	tom suit
(News)	**********	**********		Nov 11
Gamma	rays, las	er aid su	rface n	nine	Jan 82
Laws	and le	gislati	on, s	ee als	o Court
action	s: Regu	lations:	lene!	Scene	
ducers	senato a break	(WS)	s 10 (live sy	nfuel pro-
On Car	oitol Hil	I, coal	slurry	legisl	ation still
	pe dream	n (WS)	Class	Al-	Mar 9
just pi			Clean	Air d	epate by
On Cap just pi Congre- Labor	Day (W	er for			Aug 9
DOI pro	nosals	would	clach	coal le	see legie-
DOI pro	nosals	would	clach	coal le	see legie-
DOI pro	nosals	would	clach	coal le	Aug 9 Pase legis- Feb 17 Regislation May 11

about eminent domain rights (WS)	Nov 9 d rain
Leasing, see Coal leasing Legal, See Court actions Legal Scene	log 20
Legal Scene Jan 125; Feb 155; Mar 119; Apr 193; May 1 129; Jul 132; Aug 83; Sep 148; Oct 97; N	51; Jun Nov 79;
Dec Lighting Before Edison, flames lighted mines F	
Caving shields win Slovenian lignite	Jan 94
Irish lignite sale (News) Louisiana utilities sign 25-year deal f nite (News)	Nov 33 or lig-
Liquefaction, see also Coal conversion	F-L 4F
H-coal plant talks (News)	Aug 35 Apr 52
Synfuel deal set (News)	Sep 45
Cyanamic research contract (News)	nment
Guide; Machinery; Mining methods Louisians	pment
(News)	lignite May 49
Equipment News and individual items Boomsentry control aids dragline	day 133
Equipment News and individual items Boomsentry control aids dragline	Sep 101
case (Legal)	Jun 132 Oct 91
Good tire care reduces repair	costs Apr 211
Guidelines for keeping engine effi	Jul 123
Hydraulic hose couplings have improle (Maint)	nay 159 portant Feb 169
Line your bucket, and pockets, too (OI)	May 141 years
SAE to speed guidelines for design	of min-
Save costs in earthmoving (OI)	Jun 119 Jul 60
Guidelines for keeping engine effi high (OI). How to cut downtime (Maint)	drag- Oct 93
Two arrested after 18-month Le	viticus Nov 23
Project investigation (News)	Dec
Maintenance Extend torque converter life (Maint)	May 152
Good tire care reduces repair (Maint)	costs Apr 211
Extend torque converter life (Maint) Good tire care reduces repair (Maint) How to cut downtime (Maint) Hydraulic hose couplings have im role (Maint)	May 159 portant
To mine coal (News)	
production at first Getty mine	Apr 64 May 116
Coalition formed with labor (News) Infusion of money and managemen production at first Getty mine Job market outlook for M.E. graduates Jurisdictional case rule subject to tion (Legal)	arbitra- Mar 119
Manufacturers Jan 217; Feb 245; Mar 177; Apr 302; May 186; Jul 215; Aug 119; Sep 382; Oct 168; Marketing, see also Exporte; Demand	249; Jur Nov 132:
Coal futures fraud (News) Eight indicted in coal sales (News).	Jan 45 scheme Jan 32
Export trading bill that would give exemption near passage (WS)	antitrust May 9
Find market, then buy mine	Oct 70
knews)	Mar 53
Leviticus Project nets six in coal inv	vestmen
scheme (News)	traders
(News)	May 65 marke
coal market (ES) Small bidders only (News) Small operator outwits recession U.S. coal doesn't always measure up	Feb 48
U.S. coal doesn't always measure up	Mar 82

J.S. Trade Mission predicts firm deals
Veak market causes closing (News)Apr 52
he West: striving for over-capacity Feb 65
J.S. Trade Mission predicts firm deals despite soft market for coal (WS)
Arco consolidates(News) May 53
Metallurgical coal, see Coke and cok-
H-Ab
Demethanization (News)
mining (DtW) Aug 81
ow-cost methane test developed (News)Apr 29
furning methane problems into natural gas
Turning methane problems into natural gas profits (E)
Mexico
Air-filter contract (News)
(News)Jun 45
(News)
GAO study of MSHA inspections triggers
oversight hearings (WS)
Miners are entitled to pay for spot walka-
rounds (Legal)May 151
Miners must be paid for walkarounds (Le-
New inspectors (News)
OSM proposed enforcement changes
IS government not liable for quality of
inspections (Legal)Jan 132
yal) Separation walkarounds (Legal) Sep 148 New inspectors (News) Mar 53 DSM proposed enforcement changes (News) Feb 29 (News) Feb 29 (Inspections (Legal) Jan 132 U.S. not liable in miners' deaths (Legal) Feb 156 West Virginia Supreme Court upholds walk-
West Virginia Supreme Court upholds walk- around rights (News) May 17
west Virginia Supreme Court uphoids walk- around rights (News)
Mine rescue course (News)Jun 53
rescuers, already overdue (WS)Jun 9
Protect thyselfJun 103
After 13 years, MSHA gives miners a
Mine Safety and Health Administration
(MSHA)
Cites coal operators after disaster investi-
gation (News)Jun 17 Congress asks is MSHA can protect miners
(News)Apr 13
(News)
oversight hearings (WS)
Orders longer bolts at Bergoo: W.Va., mine
oversight hearings (WS)
Pushes operators to provide self-rescuers, already overdue (WS)
Safety report blames dam collapse on
Safety report plames dam collapse on faulty construction (News)
breather (News)
UMW calls MSHA review of mine rules
"invitation to death" (WS) Sep 9
dust sample areas (News)Apr 29
Mines Analysts question NCB mine costs Nov 52 Consol opening (News) May 53 Eleven December disasters put 1981 coal mine death toll at 153 (News) Feb 19 Harassed operator relieved of mine lease obligations (Legal) Apr 193 Island Creek mine resumes work (News) May 41 Kentucky state agency attempts to tame wildcat miners (News) Jan 29 Mine owner held liable for contractor viola- tions (Legal) Apr 196
Eleven December disasters put 1981 coal
mine death toll at 153 (News) Feb 19
obligations (Legal)
Island Creek mine resumes work (News) May 41
Kentucky state agency attempts to tame
Mine owner held liable for contractor viola-
tions (Legal)
Miners stuck on sticker collectionsJan 90
damages (Legal)Jan 128
MSHA cites coal operators after disaster
MSHA nushes operators to provide self-
rescuers, aiready overdue (WS)Jun 9 Operator ordered into arbitration (Legal)Oct 97
Operator ordered into arbitration (Legal)Oct 97
Operator owes \$159,000 in breach of con- tract suit (Legal)Jul 148
Outside railroad equipment ruled mining
Outside railroad equipment ruled mining operation (Legal)
ment work (Legal)Sep 161
lest mining begins (News)
Utah operators hit severance tax (News)Oct 32 West Virginia coal operators face property
tax increases (News)Aug 17
tax increases (News)
Conventional mining success depends on
coordination
Conventional output falls in U.S
Cutting rock can aid coal outbut Aug 51

rrace-pit mining tryout in West
VU seeks information on aerial tramways (DtWNov 77
ining rights
eed reservation on coal did not apply to surface (Legal)
elay in start of mining does not cancel
lease (Legal)Jan 132
dian tribe seeks federal coal-rich lands
(News)Jun 29 ack of mining on lease is not forfeit of
rights (Legal)
op court rules: mine it or lose it (Lega)Apr 193
lissouri
MC Coal ConventionApr 95
ew mine opposed (News)Sep 45
S. Supreme Court returns Crow Tribe
coal suit (News)
Surface mining
ISHA, see Mine Safety and Health
Administration
ineline support (News) Aug 35
ational Coal Association (NCA) ipeline support (News)
(News)Aug 25
ays protect export coal from runaway rail
rates (News)
latural gas
oviet gas line will not hurt coal sales
(News)May 13 urning methane problems into natural gas
profits (E) Mar 186
letherlands
coal-oil mixture (News)Apr 57
coal storage (News)
levada
coal enters Las Vegas spotlightSep 101 by air quality studies under way (News) Aug 13
lew Mexico
isked to pay for San Juan Basin coal line
(News)Oct 31
ease sale (News)Jun 53
lavajos' land (News) Mar 53
San Juan Basin Aug 69
San Juan Basin coal lacks data base (News)Jan 32
Santa Fe Mining opens surface mine
(News)Oct 37 Santa Fe will develop San Juan Basin coal
Santa Fe will develop San Juan Basin coal reserves(News)Jul 33
Sierra Club loses bid to block Sunbelt
surface mine (News) Sep 21
Sunbelt strives for diversification Aug 66
Coal line (News)Jul 48
NYU coal research (News)Oct 41
Nigeria Coal effort (News)Nov 33
Noise
Nonelectric blasting solves noise problems
(OI)Feb 145
Ashland exports (News)May 57
Nuclear nower
DOE finds coal, nuclear costs even (News)Oct 19
DOE sees rosy future for coal, nuclear
power (WS)Apr 9
TVA haits nuclear plans, orders look at
coal options (News)Apr 19 Office of Surface Mining (OSM)
Considers prime farmlands exemptions for
surface miners (WS)May 9
Court rules OSM is legal and operator owes \$22,000 (Legal)Jul 145
Environmentalists fear OSM plans for
national parks (WS) Oct 9
Federal sout sale in COM - 11 is it is
Federal court role in OSM rulings is limited
national parks (WS)Oct 9 Federal court role in OSM rulings is limited (Legal)Jan 125 Fine must be paid before it can be
Federal court role in OSM rulings is limited (Legal)Jan 125 Fine must be paid before it can be appealed (Legal)Jul 132
(Legal)Jan 125 Fine must be paid before it can be appealed (Legal)Jul 132 Interior needs more time to plow new
(Legal)Jan 125 Fine must be paid before it can be appealed (Legal)Jul 132 Interior needs more time to plow new ground in felid of OSM regs (WS)Jun 11
(Legal)

sulfur coal (DtW)May 147
Dil and oil shale
Coal can benefit from drop in crude oil prices (ES)
Coastal/Getty mines (News) Feb 45
Conoco/Socal pact (News) Feb 45
Despite oil glut, New England power will
Exxon concludes shale oil costs are synfuel
extravagance (WS)Jun 9
Getty: emerging force in coal industry Mar 90
(Nowe) Ign 45
(News)
(News)Nov 19
Shell Oil applies for Wyoming permit
(News)
Operations, see Mines: "Company
IIIU4X
Oregon
Breadwinner mines western coalOct 62 Burning of unprocessed coal banned
(News) Mar 53
Deepwater port for AstoriaOct 61
(News)
Output, see Production Overburden preparation, see Surface
mining
Pakistan
Death in Pakistan (News)Oct 45
Pennsylvania Blast-casting pays off at Avery Nov 40
Centralia mine fire jumps barrier (News) Nov 23
Coal barge wreck snarls Monongaheia traf-
fic, shuts mines (News)
Corps eases lock cutbacks for Pittsburgh
River system (News)
Interior proposes another plan to fight Cen-
tralia fire (News) Mar 37
Longwall cuts dust build-upJun 94
forfeiting (Legal)
Interior proposes another plan to fight Centralia fire (News)
Pensions, see neurement
People
Jan 136; Feb 177; Mar 125; Apr 219; May 173; Jun 141; Jul 159; Aug 87; Sep 165; Oct 107; Nov 93;
Dec
Personnel carriers, see Equipment
Guide
Philippings
Philippines Far Fast coal loan (News) Nov 33
Philippines Far East coal loan (News)
Philippines Fast coal loan (News)
Philippines Far East coal loan (News)
Philippines Far East coal loan (News)
Philippines Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News)
Far East coal loan (News) Nov 33 Manila brown gold (News) Jan 47 Pipelines, see also Heulege Bacteria proposed to remove sulfur from coal slurry (DIW) Nov 77 On Capitol Hill, coal slurry legislation still just pipe dream (WS) Mar 9 ETSI pipeline wins approval from BLM (News) Feb 41 Frim wins round in right-of-way appeal (News) Cct 37 Grace gets partners for slurry study (News) Und 19 Indians see CO2 use in coal slurries (News) Und 19 Tipeline support (News) Aug 35 Pneumatic-capsule pipeline system proposed to transport coal (DIW) Mar 117 Slurry pipeline eminent domain legislation resurrected in House (WS) Nov 9 Slurry technology (News) Aug 35 Soviet slurry plan of Hammer nailed (News) Nov 25 Suit against ETSI (News) Apr 52 Planning, see also Construction Ashland improves (News) May 53 Indonesian projects (News) May 63 Indonesian projects (News) May 63 Indonesian projects (News) May 63 Indonesian projects (News) May 65 Rangely, Colo, sets aside land for coalfield housing (News) May 37 Song arouses grouses (News) Sep 45 South African mine (News) Sep 45 Plant metering instruments, see Equipment Guide
Far East coal loan (News)

Technique accurately aredists englished
Technique accurately predicts coalfield
lecnique accurately predicts coalfield subsidence (DIW). Feb 151 Technology aids India (News). Jun 56 And Tokyo (News). May 57 Troubles remain (News). Jul 53 Pollution, see Air pollution; Drainage; Environment; Water pollution Port Watch, see also Water transport Jan 21; Feb 25; Mar 25; Apr 33; May 25; Jun 21; Jul 29; Aug 21; Sep 25; Oct 23;
And Tokyo (News)May 57
Troubles remain (News)Jul 53
Pollution, see Air pollution; Drainage;
Environment; Water pollution
Jan 21: Feb 25: Mar 25: Anr 33: May 25:
Jun 21; Jul 29; Aug 21; Sep 25; Oct 23;
Nov 17; Dec
Power plants, see Utilities
Power supply for equipment and
mines Battery charger, regulated by microproces sor, boosts all cells equally (DtW)Feb 151 Filter-beds absorb most of diesel engine exhaust particulates (DtW)
sor, boosts all cells equally (DtW) Feb 151
Filter-beds absorb most of diesel engine
exhaust particulates (DtW)Jan 120
flaw (OI)
Ways to reduce electrical accidents in
coal mines recommended (DtW)Nov 77
Jan 111
Preparation, see also Machinery
Chemical cleaning makes super-coalApr 80
refuse clurry (DtW)
Cyclone separates close gravitiesJan 72
Dry-fog spray controls fugitive dust (OI) Aug 78
Chemicals successful in dewatering coal- refuse sturry (DIW)
Laying lugitive dust to rest
Measuring flow, density and level Mar 102 Microprocessor controls HM circuit
Mineral concentrators adapt to coalJan 71
Minimizing moisture in fine coalJan 69
Plant men not part of LIMW contract
(Legal)
Space invaders hit prep plant
processing plantsOct 88
processing plantsOct 88 Prices, see Economics
Production
Australian coal production in 1981 set record (News)
Breadwinner mines western coalOct 62
Change of face raises output Nov 46
Chinese exports (News)
Conventional output falls in U.SMay 82
EEC coal output drops slightly (News)Apr 45
Four methods to raise plant outputJan 66 Grace/Hanna bolsters its top spotJul 104
Infusion of money and management raise
Infusion of money and management raise production at first Getty mineApr 64
Iran (News) Feb 49 Major American coal producers report per
Major American coal producers report per
tormance (News)Apr 48 Nerco tops 20-million-tpy markOct 52
As recession lingers U.S. coal production
As recession lingers, U.S. coal production begins to slip (News)
Red brown out (News)Apr 57
Sep 19 Red brown out (News)
Litah mines idie 189 (News) Sen 45
Watt's wilderness area proposal won't
affect coal production (WS)Apr 11
Western longwall aims for record Feb 106
Production statistics, coal Jan 49; Feb 53; Mar 61; Apr 61; May 61; June 61; Jul 57; Aug 43; Sep 53; Oct 49; Nov 37; Dec Productivity, see Economics; Labor
Jul 57; Aug 43; Sep 53; Oct 49; Nov 37; Dec
Productivity, see Economics; Labor
Pumping, see Preparation
Railroads, see also Haulage Australian electric trains (News)
British rail strikes cut coal delivery (News) Mar 49
British rail strikes cut coal delivery (News) Mar 49 Chessie shutdown (News)Jul 48
British rail strikes cut coal delivery (News) Mar 49 Chessie shutdown (News)
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News)
British raii strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rilo Grande propose rail line (News). Oct 32
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49
British rail strikes cut coal delivery (News) Mar 49 Chessie shutdown (News) Jul 48 Coal rate allowed (News) Nov 31 Consol, Rio Grande propose rail line (News) Oct 32 Freight rates up in Australia (News) Feb 49 L&N makes \$25-million adjustment for coal haul rates (News) May 37
British rail strikes cut coal delivery (News) Mar 49 Chessie shutdown (News) Jul 48 Coal rate allowed (News) Nov 31 Consol, Rio Grande propose rail line (News) Oct 32 Freight rates up in Australia (News) Feb 49 L&N makes \$25-million adjustment for coal haul rates (News) May 37
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 57 NCA: protect export coal from runaway rail
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 57 NCA: protect export coal from runaway rail
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway raili rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NGA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulego options. Dec
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 5 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 5 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 137 Producers fear ICC decisions will hike coal
British rail strikes cut coal delivery (News). Mar 49 Chessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NGA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 37 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports
British rail strikes cut coal delivery (News). Mar 49 Cohessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 137 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports (E). Feb 258
British rail strikes cut coal delivery (News). Mar 49 Cohessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 137 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports (E). Feb 258
British rail strikes cut coal delivery (News). Mar 49 Cohessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 137 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports (E). Feb 258
British rail strikes cut coal delivery (News). Mar 49 Coal rate allowed (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 137 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports (E). Feb 258
British rail strikes cut coal delivery (News). Mar 49 Cohessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 35 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 137 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports (E). Feb 258 Froposed Tradewater line (News). Feb 45 Rail rate concerns (News). Nov 31 Railcars to Colombia (News). Nov 33 Report says economy, not Congress, derangee haul rates (News). Apr 25
British rail strikes cut coal delivery (News). Mar 49 Cohessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 35 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 137 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports (E). Feb 258 Froposed Tradewater line (News). Feb 45 Rail rate concerns (News). Nov 31 Railcars to Colombia (News). Nov 33 Report says economy, not Congress, derangee haul rates (News). Apr 25
British rail strikes cut coal delivery (News). Mar 49 Coal rate allowed (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 53 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 37 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports (E). Feb 258 Rrich Rein (News). Nov 31 Railcars to Colombia (News). Now 33 Report says economy, not Congress, deranges haul rates (News). Jul 53 Track is best over long haul. Dec
British rail strikes cut coal delivery (News). Mar 49 Cohessie shutdown (News). Jul 48 Coal rate allowed (News). Nov 31 Consol, Rio Grande propose rail line (News). Oct 32 Freight rates up in Australia (News). Feb 49 L&N makes \$25-million adjustment for coal haul rates (News). May 37 Navajos rejected (News). May 35 NCA: protect export coal from runaway rail rates (News). Jul 15 New Mexico asked to pay for San Juan Basin coal line (News). Oct 31 New York coal line (News). Jul 48 Operators review haulage options. Dec Outside railroad equipment ruled mining operation (Legal). Jul 137 Producers fear ICC decisions will hike coal shipping costs (News). Feb 33 Proposals threaten growth of coal exports (E). Feb 258 Froposed Tradewater line (News). Feb 45 Rail rate concerns (News). Nov 31 Railcars to Colombia (News). Nov 33 Report says economy, not Congress, derangee haul rates (News). Apr 25

Union Pacific to improve Utah railbed in coal field (News)Oct 19 Vestern Fuels Association sues	Work in aggregate plant qualifies for pension time (Legal)Oct 97 Reviews, see Statistics	Inc.'s common stock (News)
Burlington Northern (News) Dec	Rhodesia, see Zimbabwe	Public sale in Israel (News) Aug 39
Reclamation, see also Environment	River transport, see Water transport	Soviet gas line will not hurt coal sales
Company sells mine byproducts	Romania	(News)May 13 Sun Co. buys coal (News)Nov 31
's vital to reapply topsoil to reclaim area	New Chinese venture (News)Jul 53 Roof support	Sunoco buys reserves (News)
quickly, study finds (DtW)Apr 189	Arches can ease roof-fall repairApr 118	Trial ordered to determine terms of coal
lixing subsoils is more productive than	MSHA orders longer bolts at Bergoo,	sale contract (Legal)Oct 103
original (DtW)Jan 120	W.Va., mine (News) Feb 37	TVA approves deal with Peabody (News)May 32
OSM overhauls fee program to seek recla	Shock waves test integrity of resin-grouted	TVA makes effort to buy more coal from
mation funds (News)Jan 32	roof bolts (DtW)Apr 189	independents (News)
Permit denial reversed (Legal)	Russia, see U.S.S.R. Safety, see also Accidents; Disasters;	USGS plans to monitor coal royalties (News)Jan 39
Strip miner will be sued over reclamation	Health; Mine rescue techniques	Utah lease auction draws one bidder
trees (Legal)Oct 98	Back-to-basics reduces accidents by 70%	(News)Apr 25
Refuse disposal	(OI)Ápr 176	Valley Camp sale (News)Jul 48
Chemicals successful in dewatering fine	Beth-Elkhorn Corp.'s Mine No. 25 wins	Virginia purchase (News)Oct 41
coal-refuse slurry (DtW)Jun 125	award (News)Jan 45	Western coal sales to Far East imperiled by
Company sells mine byproductsNov 60	BOM tests airstream helmet at longwall	recession (News)Jun 19
EPA backed on mine wastes dumping (Legal)Aug 83	face (News)	Zapata scraps sale (News) Feb 45 Scotland
EPA puts coal wastewater rules in	Citation reversed on basis of application	Mine fire (News) Mar 57
place (WS) Nov 9	(Legal)	Scrapers, see Haulage
GE recycles (News)Apr 52	Colombia mine safety (News) Aug 39	Screens and screening, see Prepara-
Dak Ridge water tests (News) Sep 45	Congress asks if MSHA can protect miners	tion
Reedgrass greens slurry pondsApr 86	(News)Apr 13	Ships, see Water transport
Regulations, see also Clean Air Act,	Court widens qualifications for interstate	Slurry pipelines, see Pipelines
Court action	commerce (Legal)Jul 140	Smoke, see Air pollution
EPA puts coal wastewater rules in	Crawfords sentenced for wildcatting	South Africa Rig stockpile (News) Son 49
place (WS)	(News)Apr 17 Disasters raise call for MSHA action	Big stockpile (News)
ground in field of OSM regs (WS)Jun 11	(News)Jan 11	To expand coal terminal (News)Jul 45
No changes likely this year within Clean Air	Eleven December disasters put 1981 coal	Exports spark South African coal May 93
Act provisions (WS) Sep 11	mine death toll at 153 (News) Feb 19	Gas from coal (News)Aug 39
OSM proposes enforcement changes	Father, his three sons convicted of mining	Long conveyor (News)Oct 45
(News) Feb 29	coal illegally (News) Mar 33	New mine (News) Aug 39
OSM reverses itself on rule change (News)Jun 29	How to build magic wands to spot cable	Raises export prices (News)
Safety citation reversed on basis of	flaw (OI)	Steam coal exports move at record levels
application (Legal)	Kentucky drafts mine safety proposals (News)Apr 17	(News)
Surface mine group seeks data base	Low-cost methane test developed (News)Apr 29	Utah venture (News)Jun 56
(News)Oct 31	Microseismic system listens for sounds of	South Dakota
UMW calls MSHA review of mine rules	slope instability (DtW)Oct 93	Coal exploration permit (News)Jul 48
"invitation to death" (WS) Sep 9	Mine owner held liable for contractor viola	Suit against ETSI (News)Apr 52
Research, see also Coal conversion;	tions (Legal)Apr 196	South Korea
Synthetic fuels	Mine safety-in the eyes of the beholder?	Alaska exports (News)Jun 56
Acid mine drainage (News) Mar 53	(E)Apr 314	Imports (News)May 57
Chemicals successful in dewatering coal- refuse slurry (DtW)	MSHA cites coal operators after disaster	South Vietnam Builds mines (News)May 57
Cleaner coal (News)Oct 45	investigation (News)Jun 17 MSHA pushes operators to provide self-	Coal prospects (News)Jun 56
Coal fines can become coal logs for home	rescuers, already overdue (WS)Jun 9	Southern Illinois University at Carbon
fireplaces (News)Aug 33	MSHA safety report blames dam collapse	dale (SIUC)
Coal-powered automobile a long way off,	on faulty construction (News)Jul 21	Engineers take over simulated dragline
GM says (News)Jun 40	No-fault compensation (News)Apr 52	(DtW)Oct 93
Liquid coal trickles into viewJun 88	Physicist offers safety directors new mea	DOE's Carbondale R&D Center may be taken over
Needs of surface mining industry pin	sure of risk (News) Aug 47	by SIUC (DtW)Jun 125
pointed (DtW)	The promises of pneumatic coal transportation (E)Jun 198	Soviet Russia, see U.S.S.R. Spain
New Mexico awards study contracts	Protect thyself Jun 103	Anthracite (News)Jun 56
(News)Oct 32	SAE to speed guidelines for design of min	Coal discovery (News)
NYU coal research (News)Oct 41	ing machines (DtW)May 147	Coal investments (News) Mar 57
Oak Ridge water tests (News) Sep 45	Science Academy report urges greater	Coal shortage (News) Feb 49
Securing premium coal samples for R&D a	safety effort for coal miners (WS) Sep 9	Signs for Colombian coal (News)Aug 31
step closer (DtW) Sep 145	Search for better blastingJul 60	Signs steam coal deal with Ashland
Surface mining group seeks data base (News)Oct 31	After 13 years, MSHA gives miners a breather (News)	(News)
Tax credits cut mining R&D costJan 76	U.S. Appeals Court rejects AMC suit on	ration; Safety
Teamwork is theme of 1982 R&D Feb 70	dust sample areas (News)Apr 29	State government, see Government,
Underground coal gasification passes test	Ways to reduce electrical accidents in	state
(DtW)Aug 81	coal mines recommended (DtW)Nov 77	Statistics, coal, see also Production sta-
United fills federal R&D voidMay 70	Westmoreland cited (News)Feb 45	tistics, coal
African venture (News) Sep 49	Westmoreland supervisors face suit	1982: another year of increased sales Feb 56
Agency will buy Peabody Coal reserves	(News)Oct 37 Sales, see also Acquisitions;	Stoppings, see Equipment Guide, Venti- lation
(News)Apr 19	Expansion; Exports; Marketing	Strikes
Botswana treasure (News)Apr 57	Agency will buy Peabody Coal reserves	Australian mines closed by strikes (News) Feb 4
Chile coal deposit (News)Jan 47	(News)Apr 19	Consol loses strike case, wins anothe
Crow tribe appoints 7-man board to aid coal plans	Aussie exports nail down 2nd placeJun 78	against UMW (Legal) Nov 86
(News) Sep 32	Bidders few at Powder River Basin sale	Medical benefit trust pays only when it has
Crow tribe will consider surface mine	(News)Jun 13	royalties (Legal)
(News)	BLM offers largest coal lease sale ever	UMW Alabama local fined for illegal strike
Greenland deposits (News)	(WS)Apr 11 BLM schedules Colorado lease sales	(Legal)
Indian exploration (News)Jun 56	(News)Apr 41	Strip mining, see Surface mining
Indonesian open door (News)Jan 47	BLM sells two coal percels in Utah (News). Nov 13	Sulfur
Indo-Soviet effort (News) Sep 49	Brazilian purchase (News) Sep 49	Acid rain and jobs (News) Aug 3
Malaysia to mine coal (News)Jan 47	Coal deliveries cut (News) Aug 35	Bacteria proposed to remove sulfur from
Manila brown gold (News)Jan 47	Coal futures fraud (News) Jan 45	coal slurry (DtW) Nov 7
Narragansett coal (News)	Eight indicted in coal sales scheme	Clean-burning plant (News)
San Juan Basin coal lacks data base	(News)Jan 32 Fallout from Powder River lease sales lands	Cleaner coal (News)
(News)Jan 32	in court (News)Jul 25	Cleaner coal (News)Oct 4 DOE division establishes coal repositor
Santa Fe will develop San Juan Basin coal	Industry fears cargo proposal will dampen	service (News)Feb 3
reserves (News)Jul 33	coal export sales (WS)Apr 11	EPA blames acid rain on Midwes
Spanish discovery (News)Jan 47	Island Creek mines (News)Jun 53	pollution (News) De
Sunoco buys reserves (News) Mar 53	Israeli purchases (News)Apr 57	Midwest: coming clean on scrubbers Feb 6
Tanzania's prospects (News)Apr 57	Kaneb purchase (News)Apr 52	Southern Co. president criticizes acid rai
Tarizania o prospecto (Techo)Apr or	Kentucky Energy boss quits-he has mine	bill (News) Aug 2
U.S.S.R. projection (News) Aug 39		
U.S.S.R. projection (News)	of his own (News)May 17	Study says scrubbers key to Clean Air Ac
U.S.S.R. projection (News) Aug 39		Study says scrubbers key to Clean Air Ac compliance (News)

ulfur-eating bacteria offers hope for high- sulfur coal (DtW)May 147	Halts nuclear plans, orders look at coal options (News)	Unemployment rate set at 20% (News)Jul 11 Work in aggregate plant qualifies for pen-
	L&N makes \$25-million adjustment for	sion time (Legal)Oct 97
Mining methods	coal haul rates (News)May 37	United Nations
last-casting pays off at Avery Nov 40 comsentry control aids draglineMay 133	Makes effort to buy more coal from inde- pendents (News) May 21	Coal seminar (News)
asting overburden: explosive ideaJul 72	Officials say they are happy with synfuel	see Bureau of Land Management
row tribe will consider surface mine	pilot tests (News) Aug 33	U.S. Bureau of Mines,
(News)Aug 15 damma rays, laser aid mineJan 82	Restarts gasifier; other synfuels efforts pro- ceed (News)Jun 33	see Bureau of Mines U.S. Export-Import Bank,
iel-log flocculants treat drainage (OI) Sep 132	Seeks long-term bids for Gallatin steam	see Export-Import Bank
roup seeks data base (News)Oct 31	plant (News) Feb 37	Utah
's vital to reapply topsoil to reclaim	Small bidders only (News) Feb 45 Utilities exchange (News) Mar 53	BLM approves coal tract lease (News) Mar 41 BLM sells two coal parcels (News) Nov 13
area quickly, study finds (DtW)	Tires, see Equipment Guide,	Consol offers coal for power (News)
terrain crane (DtW) Mar 117	Maintenance	Court upholds Bryce mine ban (News) Feb 15
ine your bucket, and pockets, too	Training, see also Education	Lease auction draws one bidder (News)Apr 25
(OI)May 141 licroseismic system listens for sounds	Budget cuts will close safety office (News). Mar 45 Job market outlook for M.E. graduates May 116	Mines idle 189 (News) Sep 45 Operators hit severance tax (News) Oct 32
of slope instability (DtW)Oct 93	Mine rescue course (News)Jun 53	South African venture (News)Jun 56
otor graders gain sophisticationJan 100	Pitt solicits (News) May 53	Union Pacific to improve railbed in coalfield
avajo Indians protest Sunbelt surface	Science Academy report urges greater safety effort for coal miners (WS) Sep 9	(News)Oct 19
coal mine plan (News)	Simulated experience trains driversApr 130	Belgium power plan (News) Aug 39
emptions for surface miners (WS) May 9	SIUC engineers take over simulated drag-	Coal costs climbed in 1981 for Southern
SM proposals would offer operators	line (DtW)Oct 93	Co. utilities (News)June 37
leeway on highwalls (News) Mar 41 &D needs of surface mining industry	Taiwan trains miners (News)Jan 47 Transportation, see Haulage	Coal to replace oil as main fuel for Florida utilities (News)Jun 29
pinpointed (DtW)Sep 145	Trucks and trucking,	Commonwealth Edison settles with coal
amplers pinpoint surface dustJun 70	see also Haulage;	suppliers (News)Jul 19
anta Fe Mining opens surface mine	Machinery	Consol offers coal for Utah power (News) May 37
(News)Oct 37 earch for better blastingJul 60	Better haul roads speed operations Mar 96 Company sells mine byproducts Nov 60	Crow Indian tribe approves coal-fired pow- er plant (News)
mall operator outwits recession Dec	Report says economy, not Congress,	Declining demand for electricity and steel
trip miner will be sued over reclama-	deranges haul rates (News)Apr 25	slow coal sales (ES) Aug 42
tion trees (Legal)Oct 98	Simulated experience trains driversApr 130	Despite oil glut, New England power will
errace-pit mining tryout in West	Tires—they make the coal move 'roundApr 138 Western mine cuts need for trucks May 126	burn coal (News)
'roundApr 138	Tubing, see Equipment Guide, Ventila-	(News)Oct 19
SMs forage for coal in hillsMay 106	tion	Exchange (News) Mar 53
Vestern mine cuts need for trucks May 126 synthetic fuels	TVA, see Tennessee Valley Authority UMW, see United Mine Workers	Hong Kong power (News)Aug 39 lowa Public Service hit on prices for cap-
Airco Energy drops out of Breckinridge	Underground mining, see Deep mining	tive Wyoming coal (News)
H-coal project (News)Apr 21	U.S.S.R.	Louisiana utilities sign 25-year deal for lig-
Maskan Senator wants to give synfuel pro-	Coal-fired electricity plans short-circuited	nite (News)May 49
ducers break (WS) Aug 9 Backers want to scale down Henderson	(News)Jul 45 Coal shortage (News)Mar 57	Plant delayed (News)
plant (News)Jan 39	Gas line will not hurt coal sales (News) May 13	Power plant in Indiana coal fields will
Brussels pilot (News) May 57	Indo-Soviet effort (News)49	import its coal (News) Mar 21
exxon concludes shale oil costs are synfuel	Production projection (News) Aug 39	Power project stalled (News)
extravagance (WS)Jun 9 Few coal projects remain as SFC pares	Red brown out (News)	Soviet coal-fired electricity plans short- circuited (News)Jul 45
funds list (News)Feb 31	Soviet shortfall (News)Oct 45	TVA seeks long-term bids for Gallatin
Great Plains project loan guaranteed	Unions, see Labor;	steam plant (News) Feb 37
(News)	United Mine Workers Unit train, see Equipment Guide,	Two beauties (News)
Hampshire Energy plant (News) Dec	Haulage	Utilization, see Coal usage, conversion
H-coal deal set (News) Sep 45	United Kingdom, see Great Britain	Ventilation, see also Air Pollution
New partners improve Alabama synfuel	United Mine Workers (UMW)	Brushes lessen stopping leaks
plant prospects (News)Oct 19 Dak Ridge water tests (News)Sep 45	Again fails to win Paramont vote (News)May 19 Alabama local fined for illegal strikeApr 204	Laying fugitive dust to restAug 72 Low-profile troughs improve coal-face ven-
Outlook good for Tenneco's Wibaux coal	Back wages precedent (News)Jan 45	tilation (DtW)Jan 120
gas project (News)May 32	Battle hot in final days of presidential cam-	Virginia
Recession keeps synfuel projects stuck in doldrums (WS)Oct 9	paign (News)	Coal property purchase (News)Oct 41 United Coal seeks partners for synfuels
Study in (News)	to death" (WS) Sep 9	plant (News)Jun 15
Synfuels Corp. receives second round of	Church faces tough opponent in UMW race	Wages
funds requests (News)Jul 17	(News)Oct 11	Double bonus (News)
TVA officials say they are happy with syn	Church: use U.S. coai (News)	Miners are entitled to pay for spot walk- arounds (Legal)May 151
fuels pilot tests (News)	Congressional, UMW candidates key strat-	Miners must be paid for walkarounds (Le-
proceed (News)Jun 33	egy to unemployed miners (WS)Oct 9	gai) Sep 148
United Coal seeks partners for Virginia	Consol loses strike case, wins another	UMW precedent (News)Jan 45
plant (News)	against UMW (Legal)	Washington West Coast mine (News) Sep 45
Synthetic Fuels Corporation (SFC)	against AFL-CIO (News)Aug 15	Washington Sceneal
Few coal projects remain as SFC pares	Court orders Carbonex to rehire 18 and	Water disposal, see Refuse disposal
funds list (News) Feb 31	bargain with UMW (News)Jul 37	Water handling, see Drainage; Preparation
Receives second round of funds requests (News)Jul 17	85-year-old ex-miner wins nine-year pen- sion appeal (Legal)	Water pollution, see also Environment
Support in Congress grows for abolition of Syn-	Employment up (News)May 53	EPA puts coal wastewater rules in
	Files charges against rival union after	place (WS) Nov 5
uels Corporation (WS)Apr 9		Gel-log flocculants treat drainage (OI) Sep 132 Water transport, see also Haulage;
fuels Corporation (WS)Apr 9	election defeat (News)Apr 41	
fuels Corporation (WS)Apr 9 Taiwan Taipower wants coal (News)Apr 57	Guilty in picketing (Legal)May 156	Port Watch
luels Corporation (WS)	Guilty in picketing (Legal)	Port Watch Aussie ports squeezed (News)Feb 49
tueis Corporation (WS)	Guilty in picketing (Legal)	Port Watch Aussie ports squeezed (News)
Jueis Corporation (WS) Apr 9 Taiwan Apr 57 Trains miners (News) Apr 57 Trains miners (News) Jan 47 Tanzania Apr 57 Taxes, see also Economics Apr 57	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW rep- resentation (News). Jan 39 Miller comeback is stillborn (News). Oct 15	Port Watch Aussie ports squeezed (News)
fuels Corporation (WS)	Guitty in picketing (Legal)	Port Watch Aussie ports squeezed (News)
fuels Corporation (WS) Apr 9 Taiwan Apr 57 Trains miners (News) Apr 57 Transania Jan 47 Tanzania Apr 57 Taxes, see also Economics Apr 57 Taxes, see also Economics Apr 17 Coal companies fear effects of safe harbor restrictions (News) Apr 17 Credits cut mining R&D cost Jan 76 Jan 76 Jan 76	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW representation (News). Jan 39 Miller comeback is stillborn (News). Oct 15 Miller seeks top UMW post one more time (News). Aug 11 Operator ordered into arbitration (Legal). Oct 97	Port Watch Aussie ports squeezed (News)
fuels Corporation (WS) Apr 9 Taiwan Apr 57 Trains miners (News) Apr 57 Transania Apr 57 Taxeania Apr 57 Taxes, see also Economics Apr 57 Coal companies fear effects of restrictions (News) Apr 17 Credits cut mining R&D cost Apr 30 Indians may levy mineral tax (Legal) Apr 207	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW rep- resentation (News). Jan 39 Miller comeback is stillborn (News). Oct 15 Miller seeks top UMW post one more time (News). Aug 11 Operator ordered into arbitration (Legal). Oct 97 Political scene disrupted by West Virginia	Port Watch Aussie ports squeezed (News)
fueis Corporation (WS) Apr 9 Taiwan Apr 57 Trains miners (News) Apr 57 Transania Jan 47 Tanzania Apr 57 Taxee, see also Economics Apr 57 Coal companies fear effects of safe harbor restrictions (News) Apr 17 Credits cut mining R&D cost Jan 76 Indians may levy mineral tax (Legal) Apr 207 John Brown's budget (News) Feb 45 Feb 45 Feb 45	Guitty in picketing (Legal)	Port Watch Aussie ports squeezed (News)
fuels Corporation (WS) Apr 9 Taiwan Apr 57 Trainsower wants coal (News) Apr 57 Trains miners (News) Jan 47 Tanzania Apr 57 Taxes, see also Economics Apr 57 Taxes, see also Economics Apr 17 Coal companies fear effects of safe harbor restrictions (News) Apr 17 Credits cut mining R&D cost Jan 76 Indians may levy mineral tax (Legal) Apr 207 John Brown's budget (News) Feb 45 U.S. Supreme Court returns Crow Tribe	Guitty in picketing (Legal)	Port Watch Aussie ports squeezed (News)
fueis Corporation (WS) Apr 9 Taiwan Apr 57 Taiwan Apr 57 Trains miners (News) Jan 47 Tanzania Apr 57 Taxes, see also Economics Apr 57 Coal companies fear effects of safe harbor restrictions (News) Apr 17 Credits cut mining R&D cost Jan 76 Indians may levy mineral tax (Legal) Apr 207 John Brown's buddet (News) Feb 45 Feb 45 Feb 45	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW rep- resentation (News). Jan 39 Miller comeback is stillborn (News). Oct 15 Miller seeks top UMW post one more time (News). Aug 11 Operator ordered into arbitration (Legal). Oct 97 Political scene disrupted by West Virginia elections (News). Mar 19 Preparation plant men not part of UMW contract (Legal). Sep 156 Presidential election (News). Dec	Port Watch Aussie ports squeezed (News)
tueis Corporation (WS)	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW rep- resentation (News). Jan 39 Miller comeback is stillborn (News). Oct 15 Miller seeks top UMW post one more time (News). Aug 11 Operator ordered into arbitration (Legal). Oct 97 Political scene disrupted by West Virginia elections (News). Mar 19 Preparation plant men not part of UMW contract (Legal). Sep 156 Presidential election (News). Dec Rich Trumka picks running mates to	Port Watch Aussie ports squeezed (News)
tueis Corporation (WS)	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW rep- resentation (News). Jan 39 Miller comeback is stillborn (News). Oct 15 Miller seeks top UMW post one more time (News). Aug 11 Operator ordered into arbitration (Legal) Oct 97 Political scene disrupted by West Virginia elections (News). Mar 19 Preparation plant men not part of UMW contract (Legal) Sep 156 Presidential election (News) Dec Rich Trumka picks running mates to oppose Church team (News). Jan 17	Port Watch Aussie ports squeezed (News)
tuels Corporation (WS)	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW rep- resentation (News). Jan 39 Miller comeback is stillborn (News). Oct 15 Miller seeks top UMW post one more time (News). Aug 11 Operator ordered into arbitration (Legal). Oct 97 Political scene disrupted by West Virginia elections (News). Mar 19 Preparation plant men not part of UMW contract (Legal). Sep 156 Presidential election (News). Dec Rich Trumka picks running mates to oppose Church team (News). Jan 17 Sam Church tabs Clements, Connors as	Port Watch Aussie ports squeezed (News)
tuéis Corporation (WS)	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW rep- resentation (News). Jan 39 Miller comeback is stillborn (News). Oct 15 Miller seeks top UMW post one more time (News). Aug 11 Operator ordered into arbitration (Legal) Oct 97 Political scene disrupted by West Virginia elections (News). Mar 19 Preparation plant men not part of UMW contract (Legal) Sep 156 Presidential election (News). Dec Rich Trumka picks running mates to oppose Church team (News). Jan 17 Sam Church tabs Clements, Connors as running mates (News). May 15 Strike fund (News). May 15 Strike fund (News). May 5	Port Watch Aussie ports squeezed (News)
tueis Corporation (WS)	Guitty in picketing (Legal). May 156 Health history (News). Feb 45 Mid-Continent coal miners reject UMW rep- resentation (News). Jan 39 Miller comeback is stillborn (News). Oct 15 Miller seeks top UMW post one more time (News). Aug 11 Operator ordered into arbitration (Legal). Oct 97 Political scene disrupted by West Virginia elections (News). Mar 19 Preparation plant men not part of UMW contract (Legal). Sep 156 Presidential election (News). Dec Rich Trumka picks running mates to oppose Church team (News). Jan 17 Sam Church tabs Clements, Connors as running mates (News). May 15	Port Watch Aussie ports squeezed (News)

Queensland port plan (News)	Nov 33
Rotterdam slows port development	Aug 62
Ship fires spur new insurance	Sep 76
South Africa to expand coal (News)	
Sydney prices (News)	Jun 56
TVA easement (News)	Jul 48
West coast port projects exceed for coal demand (News)	
Weighing systems, see Equipment Guide; Haulage	
West Germany	
In Far East (News)	Jul 53
Gas plant (News)	Feb 49
Airport coal (News)	Jul 48
Coal groups face state's image	

Company Index

Adams Resources & energy, inc.
Kaneb purchases subsidiary (News)Apr 52
Airco Energy, Inc. Drops out of Breckinridge H-coal project
(News)Apr 21 Alla-Ohio Valley Coals Inc. It was boom and then bust (News)Jan 19
Alla-Ohio Valley Coals Inc.
It was boom and then bust (News)Jan 19
Major American coal producers report per-
formance (News)Apr 48
American Cyanamid Co.
Coal liquefaction research contract
(News)Feb 45 American Natural Resources (ANR)
Nixes Belgium negotiations (News) Mar 57
Anaconda Minerals Co.
Western mine cuts need for trucks May 126 Arch Mineral Corp.
Arch (rival) will try to lead Consol by its Ex.
Samples (News) Sep 21 Major American coal producers report per- formance (News) Apr 48
Major American coal producers report per-
Mine layoff (News)
Arco Coal Co.
Colorado mine (News)Apr 52 Major American coal producers report per-
Major American coal producers report per-
formance (News)Apr 48 Ashland Coal Co.
Exports (News)May 57
Improves (News)
Signs steam coal deal with Spain (News) Apr 45
Ashland Oil and Dynalectron H-coal plant talks (News) Aug 35
H-coal plant talks (News)
Avery Coal
Blast-casting pays off at Avery Nov 40 Barnes and Tucker Coal Co.
Longwall cuts dust build-upJune 94
Beth-Eiknorn Corp.
Mine No. 25 wins safety award (News)Jan 45
Bethlehem Mines Corp. Mine group set (News)Nov 31
Bethlehem Steel
Closes two mines (News)
Bituminous Coal Research, Inc. (BCR)
New BCR expands its R&D role Sep 68 Black Beauty Coal Co.
Two beauties (News)Jan 45
Blue Diamond Coal Co.
No match for some activists seeking light
(News)
Bow Valley Industries Ltd.
Foreign success story
Bowater Southern Paper Corp.
Paper plant switch (News)Nov 31 Broken Hill Pty. (BHP) Engineering
Name change (News) Aug 39
Layoffs (News)
Assets frozen (News)Nov 31
Carbon Coal Co.
Carbon Coal Co. Lease bid (News)
Western longwall aims for record Feb 106
Carbon Dioxide Slurry Systems
Slurry technology (News)
Carbon Fuel Co.
Barringer gets three years in fraud case (News)Jan 32
Carbon Fuels Sales Co.
Seeks payback (News) Mar 33
Carbonex Coal Company
bargain with UMW (News) In 27
Court orders Carbonex to rehire 18 and bargain with UMW (News)
(Legal)

Coal	operators	face	property	tax	increases
(Ne	ws)				Aug 17
High (unemployme	ent (Ne	ews)		Oct 41
Jobs	(News)				Sep 45
Mine	closes (New	s)			Aug 35
	group set (h				
	orders I				
	ws)				
	nspectors (I				
	lead, 10 inju				
	eme Court				
	ws)				
	political				
	inia election				
	's Fair exhil				
Wyor		(,		
		es wes	tern coal		Oct 62
	na rays, las				

Cash Mining Co.
Vacuum wins thin-seam coal Dec
Vacuum wins thin-seam coal Dec Cedar Coal Company
Court rejects order to rehire school bomber
(Legal)
Mine shutdown (News) lan 45
Mine shutdown (News)
Closes three coal mines (News)Jul 45
Coal Technology Corp. Coal tines can become coal logs for home
Coal fines can become coal logs for home
GE recycles (News) Apr 52
fireplaces (News)
Emerging force in coal industry Mar 90
Getty joint venture (News) Feb 45 Conoco Coal Development Co.
Conoco Coal Development Co.
Clean coal patent (News)
Socal pact (News) Feb 45
Socal pact (News)
Wins Colorado coal lease (News) May 32
Consolidation Coal Co. Arch (rival) will try to lead Consol by its Ex.
Samples (News) Sep 21
Samples (News)
E.I. du Pont tells Consol to sell coal
(News)Jan 19
Indonesian venture (News)
Loses strike case, wins another against UMW (Legal)Nov 86
Major American coal producers report per-
formance (News)
Mine construction job pits UMW against
AFL-CIO (News)
Offers coal for Utah Power (News) May 37
AFL-CIO (News) Aug 15 Mine opening (News) May 53 Ofters coal for Utah Power (News) May 37 Overseas (News) Oct 45
Pennsylvania construction (News)Jun 53
Rio Grande propose rail line (News)Oct 32
Told to let miners attend grievance ses-
sions (Legal)
Women miners win peeping tom suit
D'Appolonia Consulting Engineers Terrace-pit mining tryout in West Mar 75
Decker Coal Co.
Teamsters win control of mine (News) Jul 37 Deere & Company
Deere & Company
Good tire care reduces repair costs (Maint)Apr 211
How to cut downtime (Maint)
Donaldson Co.
Mexican contract (News)Sep 49
Doverspike Bros. Coal Co.
Cutting rock can aid coal output Aug 51 du Pont de Nemours & Co., E.I.
Tells Consol to sell coal (News)Jan 19
Eastern Associated Coal Corp.
Layoffs (News)Oct 41
Eastover Mining Co.
Sludge dam collapses (News) Feb 37 Energy Fuels Corp.
Name changed to Colorado Yampa Coal Co. (News) Jan 45 Energy Transportation Systems Inc.
Co. (News)Jan 45
Energy Transportation Systems Inc. (ETSI)
(ETSI)
Pipeline firm wins round in right-of-way
appeal (News)
Suit against E151 (News)Apr 52
Fryon
Concludes shale oil costs are synfuel
extravagance (WS)
Major American coal producers report per-
formance (News)Apr 48
Fluor Corp.
China chooses Fluor (News)
Foster Wheeler Energy Corp. (News)Jun 56

lowa Public Service hit on prices for cap-
tive Wyoming coal (News) Mar 45
Land Bureau solicits Rocky Butte bids
again Nov 27
Land Bureau will try again to sell Rocky
Butte coal tract (News)Oct 31
Shell Oil applies for Wyoming permit
(News)Aug 33
Surface mine suit (News)Apr 52
Western longwall aims for record Feb 106
Yugoslavia
Caving shields win Slovenian lignite Jan94
European venture (News)Jun 56
Slavic shortfall (News)Oct 45
Underground explosion leaves 39 miners
dead (News)Jun 45
Zimbabwe
Coal reserves (News)Apr 57

Zimbabwe Coal reserves (News)Apr 57
Garfield Energy
Coal moves by air at Sunlight mineJun 64 General Motors (GM)
Says coal-powered automobile a long way off (News)Jun 40
Getty minerals Resource Co.
Emerging force in coal industry Mar 90
Infusion of money and management raise production at first Getty mineApr 64
Getty Oil Co.
Coastal joint venture (News) Feb 45 North American Coal Corp. joint venture
North American Coal Corp. joint venture
Grace, W. R., & Co.
Gets partners for slurry study (News)Jun 19
(News)
Synfuel study in (News)
Hampshire Energy
Synfuel plant (News)
Synfuel plant (News) Dec Hanna Mining Co.
Grace/Hanna bolsters its top spotJul 104
New partners improve Alabama synfuel
plant prospects (News)Oct 19
plant prospects (News) Oct 19 Hydrocarbon Research, Inc. (HRI) Synfuels deal set (News) Sep 45
Island Creek Coal co.
In China (News)
Island Creek opens (News)
Major American Coal Producers report per- formance (News
Mine resumes work (News)May 41
Mine resumes work (News)
(News) Feb 17
(News)
Back-tobasics reduces accidents by 70%(OI) Apr 176 Spiral bunker alds Alabama mine Mar 66 Jones & Laughlin Steel Corp. (J&L) Miners back to work (News) Oct 41 Steel demand down (News) Apr 52 Joy Manufacturing Co. Jun 53 Correction (News) Jun 53
Spiral bunker aids Alabama mine Mar 66
Jones & Laughlin Steel Corp. (J&L)
Steel demand down (News) Anr 52
Joy Manufacturing Co.
Pitt Donation
Short layoff (News)Oct 41
Kanawia Coal Co. Miss to recogn (News)
Mines to reopen (News)Aug 35 Kaneb Services
Purchases Adams Resources & Energy
Purchases Adams Resources & Energy subsididary (News)
Vows to fight for Rocky Butte tract lease (News)Aug 13
Kemmerer Co.
P&M takes over Kemmerer mine (News) Jul 37
Kerr-McGee Coal Corp.
Critical Solvent De-ashing Process (News)Apr 52 Fired miners file suit (News)
Major American coal producers report per-
formance (News)
Major American coal producers report per-
Kiewit, Peter, Sons' Inc. Buys 9.3% of Mapco Inc.'s common stock
(News)
Mapco Inc.
Mapco Inc. Peter kiewit Sons' buys 9.3% of common
stock (News) Mar 17 Marathon Steel Co.
Southwest investment (News)
Southwest investment (News)Nov 31 Massey Coal Co., A. T.
Purchases (News) Jul 48 Mid-Continent Resources
Coal miners reject UMW representation
(News)
Jury rules Dutch Creek disaster an accident
(News)Jun 40

erco Coal Co.	Ridge Land Co.Survivors awarded	Texas Utilities Co.
ind market, then buy mineOct 70	(News)Aug 35	Major American coal producers report per-
ERCO, Inc.	Rio Grande Industries Inc. And Consol propose rail line (News)Oct 32	formance (News)
ajor American coal producers report per-	Rockcastle Co.	Coal deliveries cut (News) Aug 35
formance (News)Apr 48 ops 20-million-tpy markOct 52	Small operator outwits recession Dec	Union Carbide
erco Mining Co.	SAE, Inc. Automotive Engineering	Rights go to WVU (News) Aug 35
readwinner mines western coalOct 62	To speed guidelines for design of mining machines (DtW)	United Coal Co. Double bonus (News)May 53
orth American Coal Corp.	Santa Fe Industries	Fills federal R&D void
oint venture with Getty Oil Co. (News)Jan 45	Will develop San Juan Basin coal reserves	Seeks partners for Virginia synfuels plant
outh Dakota permit (News)	(News)Jul 33	(News)Jun 15
ining Alabama's coal successfullyOct 74	Santa Fe Mining Opens surface mine (News)Oct 37	U.S. Steel Corp.
orthern Coal Co.	S.F. Coal Corp.	Found not liable in law suit for non- support (Legal)Nov 82
alts output at strip mine in Colorado	Southwest investment (News)Nov 31	Major American coal producers report per-
(News)Sep 37	Shell Coal (Botswana)	formance (News)Apr 48
acific Coast Coal Co.	Shell, Botswana agree (News)Aug 39	Miners back to work (News)Oct 41
est Coast mine (News)Sep 45	Applies for Wyoming permit (News) Aug 33	Coal arm furloughs 1,500 Appalachian miners (News)
MW again fails to win Paramont vote	Sheridan Enterprises, Inc.	Usaco Coal Co.
(News)May 19	Terrace-pit mining tryout in West Mar 75	Assets frozen (News)Nov 3
pabody Coal Co.	Slab Fork Coal Co.	Utah Fuels
gency will buy Peabody Coal reserves (News)Apr 19	Exchanges with Westmoreland (News)Jun 53 Southern Co.	Three-seam mine to be West's largest Mar 88 Utah International Inc.
itbacks (News)Oct 41	President criticizes acid rain bill (News) Aug 25	Major American coal producers report per
aves export arm (WS)Jan 9	Southern Co. Services	formance (News)
ajor American coal producers report per-	Faces deluge of contract coal (News) Aug 19	Wins Colorado coal lease (News) May 32
formance (News)	Standard Oil of California	Valley Camp Coal Co. Reporter excused testimony in NLRB Val
plant prospects (News)Oct 19	Conoco pact (News) Feb 45 Standard Oil of Ohio (Sohio)	ley Camp case (Legal)
oduction resumes (News)Aug 35	Hampshire coal project loses Sohio (News) Nov 19	Sale (News)Jul 4l
/A approves deal (News)May 32	Stone & Webster Engineering Corp.	Waterloo Coal Co.
eacock Coal Co.	Clean coal patent (News)Jan 45	Sells mine byproductsNov 6
urvivors awarded (News)	Stone & Webster, Inc.	West Appa Coal Co.
est mining begins (News) Aug 35	Clean-burning plant (News)May 53	Lease secured (News)Oct 4 Western Energy Co.
hillips Coal Co.	Buys coal (News)Nov 31	Song arouses grouses (News) Sep 4
as plant (News)Jan 45	Sunbelt Mining Co.	Western Fuels Association
ittsburg and Midway Coal Mining Co.	Sierra Club loses bid to block Sunbelt	Sues Burlington Northern (News) De
(PAM)	surface mine (News)	Western Slope Carbon Change of face raises outputNov 4
ajor American coal producers report per- formance (News)Apr 48	Strives for diversification	Mine output (News)
akes over Kemmerer mine (News)Jul 37	Buys reserves (News) Mar 53	Westmoreland Coal Co.
eak market causes closing (News)	Tennessee Consolidated Coal Co.	Cited for safety violations (News) Feb 4
ittston	Families of Grundy victims file suits	Slab Fork exchange (News)Jun 5
lajor American coal producers report per- formance (News)Apr 48	(News)Aug 27 Sued by disaster victim's widow (News)Apr 15	Supervisors face suit (News)Oct 3 Westmoreland Resources
	Sued by disaster victim's widow (News)Apr 13	Westingleight Desources
	Tenneco Coal Gasification Co.	Strikes deal with Crow tribe (News)
lateau Mining Co.	Tenneco Coal Gasification Co.	Strikes deal with Crow tribe (News) Sep 3 Whittaker Coal Corp.
risteau Mining Co. Infusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3
Nateau Mining Co. Ifusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp.
risteau Mining Co. Infusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3
lateau Mining Co. Ifusion of money and management raise production at first Getty mineApr 64 IF.H. Coal Co.	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4
lateau Mining Co. futusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshall, Mervin D.
lateau Mining Co. Ifusion of money and management raise production at first Getty mineApr 64 IF.H. Coal Co.	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit	Whittaker Coal Corp. Sun Co. buys coal (News)
lateau Mining Co. fusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshall, Mervin D. Brushes lessen stopping leaks Apr 10 Merritt, Paul C.
lateau Mining Co. futusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshall, Mervin D. Brushes lessen stopping leaks Apr 10 Merritt, Paul C. Aussie exports nail down 2nd place Jun 7 Exports spark South African coal May 5
Isleau Mining Co. Ifusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
lateau Mining Co. fusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit. Jan 58 Nerco tops 20-million-tpy mark. Oct 52 Space invaders hit prep plant. Jan 52 United fills federal R&D void May 70 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Roger M.	Whittaker Coal Corp. Sun Co. buys coal (News)
lateau Mining Co. fusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshail, Mervin D. Brushes lessen stopping leaks Apr 16 Merritt, Paul C. Aussie exports nail down 2nd place Jun 1 Exports spark South African coal May 5 Nerco tops 20-million-tpy mark. Oct 4 Nielsen, George F. Robust mine growth forecasted Feb 6
Lateau Mining Co. fusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
lateau Mining Co. fusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Interest Mining Co.	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Lateau Mining Co. fusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshall, Mervin D. Brushes lessen stopping leaks Apr 10 Merritt, Paul C. Aussie exports nail down 2nd place Jun 1 Exports spark South African coal News 10 Nerco tops 20-million-tpy mark. Oct 1 Nielsen, George F. Robust mine growth forecasted Feb 6 Nimerick, K.H. Four methods to raise plant output. Jan 1 Rahall, Nick J., II Congress and Administration owe coal mo attention (E) Nov 1:
Interest	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit. Jan 58 Nerco tops 20-million-tpy mark. Oct 52 Space invaders hit prep plant. Jan 52 United fills federal R&D void. May 70 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Roger M. Arches can ease roof-fall repair. Apr 118 Heimbach, James A., Jr. Samplers pinpoint surface dust. Jun 70 Hetrick, Joseph Longwall cuts dust build-up. Jun 94 Heywood, Peter Analysts question NCB mines costs. Nov 52	Whittaker Coal Corp. Sun Co. buys coal (News)
Interest Mining Co. Was a construction of the Construction of Mar 53 Author Index Author Index Author Index Author Index Individual of the Construction of the C	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Lateau Mining Co. Tussion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshail, Mervin D. Brushes lessen stopping leaks Apr 16 Merritt, Paul C. Aussie exports nail down 2nd place Jun Exports spark South African coal May y Nerco tops 20-million-tpy mark Oct ! Nielsen, George F. Robust mine growth forecasted Feb in Nimerick, K.H. Four methods to raise plant output Jan Rahail, Nick J., Il Congress and Administration owe coal mo attention (E) Nov 1. Sammons, Donna Miners stuck on sticker collections Jan Prospects rise and fall in COM market May Schlick, Donald P.
Lusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshall, Mervin D. Brushes lessen stopping leaks Apr 10 Merritt, Paul C. Aussie exports nail down 2nd place Jun 2 Exports spark South African coal May 1 Nerco tops 20-million-tpy mark Oct 1 Nielsen, George F. Robust mine growth forecasted Feb 1 Mimerick, K.H. Four methods to raise plant output Jan 1 Rahall, Nick J., II Congress and Administration owe coal mo attention (E) Nov 1. Sammons, Donna Milners stuck on sticker collections Jan 1 Prospects rise and fall in COM market May 3 Schlick, Donaid P. Back-to-basics reduces accidents by 70
tabeau Mining Co. tusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit. Jan 58 Nerco tops 20-million-tpy mark. Oct 52 Space invaders hit prep plant. Jan 52 United fills federal R&D void. May 70 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Roger M. Arches can ease roof-fall repair. Apr 118 Heimbach, James A., Jr. Samplers pinpoint surface dust. Jun 70 Hetrick, Joseph Longwali cuts dust build-up. Jun 94 Heywood, Peter Analysts question NCB mines costs. Nov 52 British mines monitor for face delays. Feb 114 British try new way to find faults. Jul 114 Holmes, Connie Railroad proposals threaten growth of coal	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb Marshall, Mervin D. Brushes lessen stopping leaks Marshall, Nervin D. Brushes lessen stopping leaks Marshall, Nervin D. Aussie exports nail down 2nd place Muritt, Paul C. Aussie exports nail down 2nd place Muritt, Paul C. Aussie exports nail down 2nd place Muritt, Paul C. Aussie exports nail down 2nd place Muritt, Paul C. Aussie exports nail down 2nd place Muritt, Paul C. Aussie exports nail down 2nd place Muritt, Paul C. Aussie exports and versies Muritt, Paul C. Aussie exports research Alministration owe coal martention (E) Nov 1 Sammons, Donnal Miners stuck on sticker collections Jan Prospects rise and fall in COM market May Schlick, Donaid P. Back-to-basics reduces accidents by 70 (OI) Ap 1
taleau Mining Co. Tusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit. Jan 58 Nerco tops 20-million-tpy mark. Oct 52 Space invaders hit prep plant. Jan 52 United fills federal R&D void. May 70 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Roger M. Arches can ease roof-fall repair. Apr 118 Heimbach, James A., Jr. Samplers pinpoint surface dust. Jun 70 Hetrick, Joseph Longwali cuts dust build-up. Jun 94 Heywood, Peter Analysts question NCB mines costs. Nov 52 British mines monitor for face delays. Feb 114 British try new way to find faults. Jul 114 Holmes, Connie Railroad proposals threaten growth of coal exports (E). Feb 258 Jackson, Dan	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshall, Mervin D. Brushes lessen stopping leaks Apr 10 Merritt, Paul C. Aussie exports nail down 2nd place Jun Exports spark South African coal May 1 Nerco tops 20-million-tpy mark Oct 1 Nielsen, George F. Robust mine growth forecasted Feb Nimerick, K.H. Four methods to raise plant output Jan Rahall, Nick J., II Congress and Administration owe coal me attention (E) Nov 1 Sammons, Donna Nov 1 Sammons, Donna Miners stuck on sticker collections Jan Prospects rise and fall in COM market May Schlick, Donald P. Back-to-basics reduces accidents by 70 (OI) Apr 1 Scott, M. Douglas Jun Samplers pinpoint surface dust Jun
utusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
utusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit. Jan 58 Nerco tops 20-million-tpy mark. Oct 52 Space invaders hit prep plant Jan 52 United fills federal R&D void May 70 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Roger M. Arches can ease roof-fall repair. Apr 118 Heimbach, James A., Jr. Samplers pinpoint surface dust. Jun 70 Hetrick, Joseph Longwall cuts dust build-up. Jun 94 Heywood, Peter Analysts question NCB mines costs. Nov 52 British mines monitor for face delays. Feb 114 British try new way to find faults. Jul 114 Holmes, Connie Railroad proposals threaten growth of coal exports (E). Feb 258 Jackson, Dan Before Edison, flames lighted mines. Feb 128 Change of face raises output. Nov 46 Coal moves by air at Sunlight mine. Jun 64	Whittaker Coal Corp. Sun Co. buys coal (News)
alteau Mining Co. tusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Luthor Index Author Index Aug 58 rezovec, David onventional output falls in U.S. May 82 utting rock can aid coal output Aug 51 flines examine extensible brattice Feb 133 flining Alabamar's coal successfully Oct 74 perators review haulage options. Dec resonnel carrier efficiency counts. Sep 83 piral bunker aids Alabama mine Mar 66 tageloaders, conveyor belting and take- ups Dec urning methane problems into natural gas profits (E) Mar 186 facuum wins thin-seam coal Dec zarder, J.M. our methods to raise plant output. Jan 66 Chironis, Nicholas P. Lock 82 Lock 82 Lock 82 Lock 82 Lock 82 Lock 84 Lock	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Luthor Index Author Index Author Index Alltrip, Ewell onversional order of the standard order ord	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
talitrip, Ewell Author Index	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit. Jan 58 Nerco tops 20-million-tpy mark. Oct 52 Space invaders hit prep plant. Jan 52 United fills federal R&D void. May 70 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Roger M. Arches can ease roof-fall repair. Apr 118 Heimbach, James A., Jr. Samplers pinpoint surface dust. Jun 70 Hetrick, Joseph Longwall cuts dust build-up. Jun 94 Heywood, Peter Analysts question NCB mines costs. Nov 52 British mines monitor for face delays. Feb 114 British try new way to find faults. Jul 114 Holmes, Connie Railroad proposals threaten growth of coal exports (E). Feb 258 Jackson, Dan Before Edison, flames lighted mines. Feb 128 Change of face raises output. Nov 46 Gamma rays, laser aid surface mine. Jan 82 Grace/Hanna bolsters its top spot. Jul 104 Infusion of maney and management raise production at first Getty mine. Oct 52 Nerco tops 20-million-tpy mark. Oct 52 Nerco tops 20-million-tpy mark.	Whittaker Coal Corp. Sun Co. buys coal (News)
utusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshail, Mervin D. Brushes lessen stopping leaks Apr 16 Merritt, Paul C. Aussie exports nail down 2nd place Jun Exports spark South African coal May Necco tops 20-million-tpy mark Cot Nielsen, George F. Robust mine growth forecasted Feb Nimerick, K.H. Four methods to raise plant output Jan Rahall, Nick J., II Congress and Administration owe coal mo attention (E) Nov 1 Sammons, Donna Miners stuck on sticker collections Jan Prospects rise and fall in COM market May Schlick, Donald P. Back-to-basics reduces accidents by 7((0I) Apr 1 Scott, M. Douglas Samplers pinpoint surface dust Jun Sowden, S. K. Four methods to raise plant output Jan Stanic, Nada Caving shields win Slovenlan lignite Jan Sullivan, Allanna M. Foreign investors bank on U.S. coal Jul If the shoe doesn't fit wear it anyway. Feb 1 Job market outlook for M.E. graduates May Feb
utusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb Marshall, Mervin D. Brushes lessen stopping leaks Apr 10 Merritt, Paul C. Aussie exports nail down 2nd place Jun Exports spark South African coal May 10 Nerco tops 20-million-tpy mark Oct May 10 Nielsen, George F. Robust mine growth forecasted Feb Nimerick, K.H. Four methods to raise plant output Jan Rahall, Nick J., II Congress and Administration owe coal mo attention (E) Nov 1 Sammons, Donna Miners stuck on sticker collections Jan Prospects rise and fall in COM market May Schlick, Donald P. Back-to-basics reduces accidents by 70 (OI) Apr 1 Scott, M. Douglas Samplers pinpoint surface dust Jun Sowden, S. K. Four methods to raise plant output Jan Stanic, Nada Caving shields win Slovenian lignite Jun Stanic, Nada Caving shields win Slovenian lignite Jun If the shoe doesn't fit wear it anyway . Feb 1 Job market outlook for M.E. graduates May Protect Hyself wear it anyway . Feb 1 Job market outlook for M.E. graduates May
talitrip, Ewell alltrip, Ewell ow Valley—foreign success story alltrip, Ewell ow Valley—foreign success story Aug 58 rezovec, David onventional output falls in U.S. May 82 utting rock can aid coal output Mug 51 lines examine extensible brattice Feb 133 lining Alabama's coal successfully Oct 74 perators review halage options. Dec resonnel carrier efficiency counts. Sep 83 piral bunker aids Alabama mine Mar 66 tageloaders, conveyor betting and take- ups. Dec urning methane problems into natural gas profits (E) Mar 186 acuum wins thin-seam coal. Dec urning methane problems into natural gas profits (E) Mar 186 acuum wins thin-seam coal. Dec larder, J.M. our methods to raise plant output. Jan 66 Althronis, Micholas P. Better methods aid exploration of coal sites. Oct 82 last-casting pays off at Avery. Nov 40 oloomsentry control aids dragline. May 133 company sells mine byproducts. Nov 60 olotor graders gain sophistication. Jan 100 tew BCR expands its R&D role. Sep 68 leadgrass greens slurry ponds. Apr 86 leadgrass greens slurry ponds. Apr 86	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
utusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
utusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
taleau Mining Co. Tusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
tabeau Mining Co. Tusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
ultrip, Ewell was a litrip, Ewell ow Valley—foreign success story alitrip, Ewell ow Valley—foreign success story alitrip, Ewell ow Valley—foreign success story alitrip, Ewell ow Valley—foreign success story Aug 58 rezovec, David onventional output falls in U.S. May 82 utting rock can aid coal output Aug 51 lines examine extensible brattice Feb 133 lining Alabama's coal successfully Oct 74 perators review haulage options. Dec ersonnel carrier efficiency counts. Sep 83 piral bunker aids Alabama mine Mar 166 tageloaders, conveyor belting and take- ups Dec urning methane problems into natural gas profits (E) arder, J. M. our methods to raise plant output Jan 66 chironis, Nicholas P. leiters methods to raise plant output Jan 66 chironis, Nicholas P. leiters Oct 82 last-casting pays off at Avery Nov 40 loomsentry control aids dragline May 133 company sells mine byproducts Nov 60 lotor graders gain sophistication Jan 100 lew BCR expands its R&D role Sep 68 leadron for better blasting Jul 60 simulated experience trains drivers. Apr 180 Sep 68 learch for better blasting Jul 60 simulated experience trains drivers. Apr 130 Cordell, Charles E. ungus speeds mine reclamation Sep 62	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit. Jan 58 Nerco tops 20-million-tpy mark. Oct 52 Space invaders hit prep plant Jan 52 United fills federal R&D void May 70 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Roger M. Arches can ease roof-fall repair. Apr 118 Heimbach, James A., Jr. Samplers pinpoint surface dust. Jun 70 Hetrick, Joseph Longwall cuts dust build-up. Jun 94 Heywood, Peter Analysts question NCB mines costs. Nov 52 British mines monitor for face delays. Feb 114 Holmes, Connie Railroad proposals threaten growth of coal exports (E). Feb 258 Jackson, Dan Before Edison, flames lighted mines. Feb 128 Change of face raises output. Nov 46 Gamma rays, laser aid surface mine. Jan 82 Grace/Hanna bolsters its top spot. Jul 104 Infusion of money and management raise production at first Getty mine. Apr 64 Nerco tops 20-million-tpy mark. Oct 52 The promises of pneumatic coal transportation (E). Jun 198 Small operator outwits recession. Dec Sunbelt strives for diversification. Aug 66 Three-seam mine to be West's largest. Mar 88 Western Iningwall aims for record. Feb 106 Western mine cuts need for trucks. May 126 Jankowski, Robert A. Longwall cuts dust build-up. Jun 94	Whittaker Coal Corp. Sun Co. buys coal (News)
Lateau Mining Co. Tussion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
talitrip, Ewell tow Valley—Toreign success story. Author Index Author	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News) May 32 Texaco Development Corp. Texaco-Japanese deal (News) Sep 49 Microprocessor controls HM circuit. Jan 58 Nerco tops 20-million-tpy mark. Oct 52 Space invaders hit prep plant Jan 52 United fills federal R&D void May 70 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Richard C. Mineral contractors adapt to coal. Jan 71 Hansen, Roger M. Arches can ease roof-fall repair. Apr 118 Heimbach, James A., Jr. Samplers pinpoint surface dust. Jun 70 Hetrick, Joseph Longwall cuts dust build-up. Jun 94 Heywood, Peter Analysts question NCB mines costs. Nov 52 British mines monitor for face delays. Feb 114 Holmes, Connie Railroad proposals threaten growth of coal exports (E). Feb 258 Jackson, Dan Before Edison, flames lighted mines. Feb 128 Change of face raises output. Nov 46 Gamma rays, laser aid surface mine. Jan 82 Grace/Hanna bolsters its top spot. Jul 104 Infusion of money and management raise production at first Getty mine. Apr 64 Nerco tops 20-million-tpy mark. Oct 52 The promises of pneumatic coal transportation (E). Jun 198 Small operator outwits recession. Dec Sunbelt strives for diversification. Aug 66 Three-seam mine to be West's largest. Mar 88 Western Iningwall aims for record. Feb 106 Western mine cuts need for trucks. May 126 Jankowski, Robert A. Longwall cuts dust build-up. Jun 94	Whittaker Coal Corp. Sun Co. buys coal (News)
Lateau Mining Co. fusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Interest	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News) Nov 3 Zapata Corp. Scraps sale (News) Feb 4 Marshall, Mervin D. Brushes lessen stopping leaks Merritt, Paul C. Aussie exports nail down 2nd place Jun 1 Exports spark South African coal May 3 Nerco tops 20-million-tpy mark. Oct 5 Nielsen, George F. Robust mine growth forecasted Feb 6 Nimerick, K.H. Four methods to raise plant output. Jan 1 Rahall, Nick J., II Congress and Administration owe coal mo attention (E) Nov 1: Sammons, Donne Miners stuck on sticker collections Jan 1 Prospects rise and fall in COM market May 1 Schlick, Donald P. Back-to-basics reduces accidents by 70 (OI) Apr 1 Scott, M. Douglas Samplers pinpoint surface dust. Jun 1 Sowden, S. K. Four methods to raise plant output. Jan 2 Samplers pinpoint surface dust. Jun 3 Samlons, Nada Caving shields win Slovenian lignite Jan 1 Stanic, Nada Caving shields win Slovenian lignite Jun 1 If the shoe doesn't fit . wear it anyway. Feb 1 Job market outlook for M.E. graduates May 1 Protect thyself. Jun 1 Iriss — they make the coal move round. Apr 1 U.S. coal doesn't always measure up Mar 1 Timko, Robert J. Brushes lessen stopping leaks Apr 1 Toner, Robin Miners stuck on sticker collections Jan 1 Treworgy, Colin G. Only minable coal is salable coal . Apr Wallish, Andrew Nilkinson, Joseph F.
Lateau Mining Co. Tusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Lateau Mining Co. fusion of money and management raise production at first Getty mine	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Interest	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)
Interest	Tenneco Coal Gasification Co. Outlook good for Wibaux coal gas project (News)	Whittaker Coal Corp. Sun Co. buys coal (News)